1. Create a table to represent sb-account of a bank consisting of account-no, customer-name, balance-amount.
   Write a PL/SQL block to implement deposit and withdraw. Withdraws should not be allowed if the balance goes below Rs.1000.

2. Create The following two tables :
   College-info
   Faculty-info
   College-info consists of fields : college-code, college-name, address
   Faculty-info consists of fields : college-code, faculty-code, faculty-name, qualification, experience-in-no-of-years, address.
   The field college-code is foreign key.
   (a) insert atleast 8 records into the respective tables.
   (b) Generate queries to do the following :
      (i) List all those faculty members whose experience is greater than or equal to 10 years and have M. Tech degree.
      (ii) List all those faculty members, who have at least 10 years of experience but do not have M. Tech degree.

3. Create the following tables for Library Information System :
   Book : (accession-no, title, publisher, author, year, status)
   Status could be issued, present in the library, sent for binding, and cannot be issued.
   Write a trigger which sets the status of a book to "cannot be issued", if it is published 20 years back.

4. Create the following tables for Library Information System :
   Book(accession-no, title, publisher, author, status, date-of-purchase)
   Status could be issued, present in the library, sent for binding, and account be issued.
   (a) insert minimum 8 records into the respective tables with appropriate validation checks.
   (b) Generate queries to do the following :
      (i) List all those books which are new arrivals. The books which are acquired during the last 6 months are
         categorized as new arrivals.
      (ii) List all those books that cannot be issued and purchased 20 years ago.

5. Create the following tables :
   Student(roll-no, name, date-of-birth, course-id)
   Course (Course-id, name, fee, duration)
      (a) insert atleast 8 records into the respective tables.
      (b) Generate queries to do the following :
         (i) List all those students who are greater than 18 years of age and have opted for MCA course.
         (ii) List all those courses whose fee is greater than that of MCA course.

6. Create the following table :
      Item (item-code, item-name, qty-in-stock, reorder-level)
      Supplier (supplier-code, supplier-name, address)
      Can-supply(supplier-code, item-code)
   (a) insert atleast 8 records into the respective tables
   (b) Generate queries to do the following :
      (i) List all those suppliers who can supply the given item.
      (ii) List all those items which cannot be supplied by given company.

7. Create the following tables :
      Student (roll-no, name, subject-opted)
      Subject –rank (subject-code, subject-name, faculty-code)
      Faculty (faculty-code, faculty-name, specialization)
   (a) enter atleast 8 records into the tables.
   (b) Generate queries to do the following :
      (i) Find the number of students who have enrolled for the subject "DBMS"
      (ii) Find all those subjects which are not offered by any faculty members.
      (iii) Find all those subjects which are offered by more than one faculty member.

8. Create the following tables :
      Student (roll-no, name, subject-opted)
      Subject –rank (subject-code, subject-name, faculty-code, specialization)
      Faculty (faculty-code, faculty-name, specialization)
   (a) enter atleast 8 records into the tables.
   (b) Write PL/SQL procedure to the following :
      Set the status of the subject to "not offered" if the subject is not offered by any of the faculty members.

9.. Create the following table :
      Item (item-code, item-name, qty-in-stock, reorder-level)
      Supplier (supplier-code, supplier-name, address, status)
      Can-supply(supplier-code, item-code)
   (a) enter atleast 8 records into the tables.
   (b) Write PL/SQL procedure to do the following :
      Set the status of the supplier to "important" if the supplier can supply More than five items.

[Type text]

10. Create the following tables :
    Student(roll-no, name, date-of-birth, course-id)
    Course (Course-id, name, fee, duration, status)
    (a)enter atleast 8 records into the tables.
    (b)Write PL/SQL procedure to do the following :
    Set the status of course to "offered" in which the number of candidates is
    at least 10 otherwise set it to "not offered".

11. Create the following tables :
    Student(roll-no, name, date-of-birth, course-id)
    Course (Course-id, name, fee, duration)
    (a)enter atleast 8 records into the tables.
    (b) Generate queries to :
    (i) List all those students who are between 18-19 years of age and have opted
    for MCA course.
    (ii)List all those courses in which number of students are less than 10.

13. Create the following tables :
    Branch (branch-id, branch-name, branch-city)
    Customer (customer-id, customer-name, customer-city, branch-id)
    (a) enter atleast 8 records into the tables..
    (b) Generate queries to do the following :
    (i) List all those customers who live in the same city as the branch in which they
    have account.
    (ii) List all those customers who have an account in more than one branch.

14. Create the following tables :
    Book(accession-no, title, publisher, year, date-of-purchase, status)
    Book-Place(accession-no, rack-id, rack-position)
    Member(member-id, name, number-of-books-issued, max-limit, status)
    Book-issue(accession-no, member-id, date-of-issue)
    (a)enter atleast 8 records into the tables.
    (b) Write a PL/SQL procedure to issue the book.
    Write a trigger to set the status of a book neither to "lost" which is neither
    issued nor in the library.

15. Create the following tables :
    Book(accession-no, title, publisher, year, date-of-purchase, status)
    Member(member-id, name, number-of-books-issued, max-limit,status)
    Book-issue(accession-no, member-id, date-of-issue)
    (a) enter atleast 8 records into the tables.
    (b) Write a PL/SQL procedure to issue the book.
    Write a trigger to set the status of students to "back listed" if they have taken book but not
    returned even after one year.

a)WAP in PL/SQL for addition of two numbers
b)WAP in PL/SQL to check the given number is even or odd.

16. Create the following tables:
i)   client_master

columnname	datatype	size
client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

ii)   **Product_master**

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

[Type text]

iii) **Insert the atleast 8 records into respective tables:**
iv) **On the basis of above two tables answer the following Questionries:**
i) Find out the names of all the clients.
ii) Retrieve the list of names and cities of all the clients.
iii) List the various products available from the product_master table.
iv) List all the clients who are located in Bombay.
v) Display the information for client no 0001 and 0002.
vi) Find the products with description as '1.44 drive' and '1.22 Drive'.

19) **Create the following tables:**
i) **client_master**

columnname	datatype	size
client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

ii) **Product_master**

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

iii) **Insert the atleast 8 records into respective tables:**

iv) **On the basis of above two tables answer the following Questionries:**

a)Find the products with description as '1.44 drive' and '1.22 Drive'.
b)Find all the products whose sell price is greater then 5000.
c)Find the list of all clients who stay in in city
'Bombay' or city 'Delhi' or
   'Madras'.
d)Find the product whose selling price is greater than
2000 and less than or
   equal to 5000.
e)List the name, city and state of clients not in the state of 'Maharashtra'.

20) **Create the following tables:**
i) **client_master**

columnname	datatype	size	client_no	varchar2	6
name	varchar2	20			
address1	varchar2	30			
address2	varchar2	30			
city	varchar2	15			
state	varchar2	15			
pincode	number	6			
bal_due	number	10,2			

[Type text]

ii)   **Product_master**

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

iii) **Insert the atleast 8 records into their respective tables:**

iv) **On the basis of above two tables answer the following Questionries:**

   a)Change the selling price of '1.44 floppy drive to Rs.1150.00

   b)Delete the record with client 0001 from the client master table.

   c)Change the city of client_no'0005' to Bombay.

   d)Change the bal_due of client_no '0001, to 1000.

   e)Find the products whose selling price is more than 1500 and also find the new selling price as

   original selling price *15.

   f)Find out the clients who stay in a city whose second letter is a.

   g)Find out the name of all clients having 'a' as the second letter in their names.

   h) List the products in sorted order of their description

19 (21) **Create the following tables:**

   i)   **client_master**

columnname	datatype	size
client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

   ii)   **Product_master**

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

   iii)   **Insert the atleast 8 records into respective tables:**

   iv) **On the basis of above two tables answer the following Questionries:**

   a)Count the total number of orders

   b)Calculate the average price of all the products.

   c)Calculate the minimum price of products.

   d)Determine the maximum and minimum prices.

   Rename the tittle as 'max_price' and min_price respectively.

e)Count the number of products having price greater than or equal to 1500.

20 22 Create the following tables:
i) **client_master**

columnname	datatype	size
client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

ii) **Product_master**

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

iii) **Insert the atleast 8 records into respective tables:**

iv) **On the basis of above two tables answer the following Questionries:**

1. Find out the product which has been sold to 'Ivan Sayross.'
2. Find out the product and their quantities that will have do delivered.
3. Find the product_no and description of moving products.
4. Find out the names of clients who have purchased 'CD DRIVE'
5. List the product_no and s_order_no of customers haaving qty ordered less than 5 from the order details table for the product "1.44 floppies".

21 23 Create the following tables:
i) **client_master**

columnname	datatype	size
client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

ii) **Product_master**

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	

Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

iii)   Insert the atleast 8 records into respective tables:

iv) On the basis of above two tables answer the following Questionries:

1. Find the products and their quantities for the orders placed by 'Vandan Saitwal ' and "Ivan Bayross".
2. Find the products and their quantities for the orders placed by client_no " C00001" and "C00002"
3. Find the order No,, Client No and salesman No. where a client has been received by more than one salesman.
4. Display the s_order_date in the format "dd-mm-yy" e.g. "12- feb-96"
5. Find the date , 15 days after date.

२२ ㉔ Create the following tables:

i)   client_master

columnname	datatype	size
client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

ii)   Product_master

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

iii)   Insert the atleast 8 records into respective tables:

iv) On the basis of above two tables answer the following Questionries:

1)Print the description and total quantity sold for each product.

2)Find the value of each product sold.

3) Calculate the average quantity sold for each client that has a maximum order value of 15000.

4) Find out the products which has been sold to Ivan.

5) Find the names of clients who have 'CD Drive'.

२३ ㉕. Create the following tables:

i)   client_master

columnname	datatype	size

client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

ii) **Product_master**

Columnname	datatype	size
Product_no	varchar2	
Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

iii) **Insert the atleast 8 records into respective tables:**

iv) **On the basis of above two tables answer the following Questionnaires:**

1) Find the products and their quantities for the orders placed by 'Vandana' and 'Ivan'.
2) Select product_no, total qty_ordered for each product.
3) Select product_no, product description and qty ordered for each product.
4) Display the order number and day on which clients placed their order.
5) Display the month and Date when the order must be delivered.

26. Create the following tables :

Student (roll-no, name, subject-opted)
Subject –rank (subject-code, subject-name, faculty-code, specialization)
Faculty (faculty-code, faculty-name, specialization)
(a) Create a form to accept the data from the user with appropriate validation checks.
(b) Write PL/SQL procedure to the following :
Set the status of the subject to "not offered" if the subject is not opted by at least 5 students.

27. Create the following tables :
Student(roll-no, name, date-of-birth, course-id)
Course (Course-id, name, fee, duration, status)
(a) Create a form to accept the data from the user with appropriate validation checks.
(b) Write PL/SQL procedure to do the following :
Set the status

28. Create the following tables for Library Information System :
Book(accession-no, title, publisher, author, status, date-of-purchase)
Status could be issued, present in the library, sent for binding, and account be issued.
(a) Create a form to accept the data from the user Create a form to accept the data from the user with appropriate validation checks.
(b) Generate queries to do the following :

(i)   List all those books which are new arrivals. The books which are acquired during the last 6 months are categorized as new arrivals.
(ii)   List all those books that cannot be issued and purchased 20 years ago.

[Type text]

(1) WAP in PL/SQL code to display multiplication tables from 5 to 10.
WAP in PL/SQL to check the given number is palindrome or not.

(2) Create the following tables
Student(roll-no, name, date-of-birth, course-id)
Course (Course-id, name, fee, duration)
    (a)insert atleast 8 records into the respective tables.
    (b) Generate queries to do the following :
        (i) List all those students who are greater than 18 years of age and have opted
            for ME course.
        (ii) List all those courses whose fee is less than that of MCA course.

3. Create the following tables :
  Book(accession-no, title, publisher, year, date-of-purchase, status)
  Member(member-id, name, number-of-books-issued, max-limit,status)
  Book-issue(accession-no, member-id, date-of-issue)
    (a) insert atleast 8 records into the respective tables
    (b) Write a PL/SQL procedure to issue the book.
      Write a trigger to set the status of students to "not returned" if they have taken book but not
  | returned even after one year.

4. Create the following tables :
Branch (branch-id, branch-name, branch-city)
Customer (customer-id, customer-name, customer-city, branch-id)
 (a) insert atleast 8 records into the respective tables
 (b) Generate queries to do the following :
    (i) List all those customers who live in the same city as the branch in which they
       have account.
    (ii) List all those customers who have an account in only one branch.