Multimedia Systems Lab   505

Practical   2 Hours/Week   1 credit

Implement the followings using Blender -

1   Create an animation using the tools panel and the properties panel to draw the following –
    Line, oval, circle, pencil, brush, lasso tool etc...

2   Create an animation using the tools panel and the properties panel to draw the following –
    rectangle, square, triangle, diamond, octagon etc...

3   Create an animation using text tool to set the font, size, color etc.

4   Create an animation using free transform tool that should use followings-
    Move Objects, Skew Objects, Stretch Objects, Rotate Objects,
    Stretch Objects while maintaining proportion, Rotate Objects after relocating the center dot

5   Create an animation using layers having following features-
    Insert layer, Delete layer, Guide layer, Mask layer.

6   Modify the document (changing background color etc.)using the following tools
    Eraser tool, Hand tool, Ink bottle tool, Zoom tool, Paint Bucket tool, Eyedropper tool

7   Create an animation for bus car race in which both starts from the same point and car wins the race.

8   Create an animation for bus car race in which both starts from the same point and bus wins the race.

9   Create an animation in which text Hello gets converted into GoodBye (using motion/shape tweening).

10 Create an animation in which text gets converted into digits (like hello is 85121215).

11 Create an animation having five images having fade-in fade-out effect.

12 Create an scene to show the sunrise (using multiple layers and motion tweening)

13 Create an scene to show the sunset (using multiple layers and motion tweening)

14 Create an animation to show the ripple effect.

15 Create an animation (using Shape tweening and shape hints) for transforming one shape into another.

16 Create an animation for bouncing ball (you may use motion guide layer).

Note Practical exercises based on concepts listed in theory using Presentation tools in office automation
:   tool/ GIMP/Blender / Audacity/ Animation Tools/ Image Editors/ Video Editors.

Web Technologies Lab

506

Practical   2 Hours/Week   1 credit

1. a. Write a HTML program using basic text formatting tags, <hn>, <p>, <br>, <pre>.
   b. Write a HTML page for Example Cafe using above text formatting tags.

2. a. Write a HTML program using presentational element tags <b>, <i>, <strike>, <sup>, <sub>, <big>, <small>, <hr>
   b. Write a HTML program using phrase element tags <blockquote>, <cite>, <abbr>, <acronym>, <kbd>, <address>

3. a. Write a HTML program using different list types.
   b. Write a HTML page that displays ingredients and instructions to prepare a recipe.

4. a. Write a HTML program using grouping elements <div> and <span>.
   b. Write a HTML Menu page for Example cafe site.

5. a. Write a HTML program using images, audios, videos.
   b. Write a HTML program to create your time table.

6. Write a HTML program to create a form using text inputs, password inputs, multiple line text input, buttons, check boxes, radio buttons, select boxes, file select boxes.

7. Write a HTML program to create a frames and links between frames.

8. Write a HTML program to create different types of style sheets.

9. Write a HTML program to create CSS on links, lists, tables and generated content.

10. Write a HTML program to create your college web site using multi column layouts.

11. Write a HTML program to create your college web site using for mobile device.

12. Write a HTML program to create login form and verify username and password using DOM

13. a. Write a JavaScript program to calculate area of rectangle using function.
    b. Write a JavaScript program to wish good morning, good afternoon, good evening depending on the current time.

14. a. Write a JavaScript program using switch case?.
    b. Write a JavaScript program to print multiplication table of given number using loop.

15. a. Write a JavaScript programs using any 5 events.
    b. Write a JavaScript program using JavaScript built in objects.

16. Write a JavaScript program to create registration form and validate all fields using form validation

Visual Programming Lab

506

Practical   2 Hours/Week   1 credit

1. Write a program to print a table of numbers from 5 to 15 and their squares and cubes.

2. Write a program to print the largest of three numbers.

3. Write a program to print the factional of a number.

4. Write a program to print the GCD of any two positive integers.

5. Write a program to print the given number in reverse order of digits.

6. Write a program to print the given number is prime or not.

7. Create an application that prompts the user to enter today's sales for five stores. The program should then display a simple bar graph comparing each store's sales.

8. Create an application that allows the user to enter each month's amount of rainfall and calculates the total and average rainfall for a year.

9. Write code that declares a string array with three elements and then stores your first, middle, and last names in the array's elements.

10. Enter a list of positive numbers terminated by zero. Find the sum and average of these numbers.

11. A person deposits Rs. 1000 in a fixed account yielding 5% interest.
Complete the amount in the account at the end of each year for n years.

12. Read n numbers. Count the number of negative numbers, positive numbers and zeros in the list.

13. Read n numbers. Count the number of negative numbers, positive numbers and zeroes in the list. (Use arrays.)

14. Read a single dimension array. Find the sum and average of these numbers.

15. Read a two dimension array. Find the sum of two 2D Array.

16. Create a database Employee and Make a form to allow data entry to Employee Form with the following command buttons:

    Employee Form

    Employee Name: [_____]
    Employee Id: [_____]
    Date of Joining [_____]
    Designation: [_____]
    Department: [_____]
    Address: [_____]
    Basic Pay: [_____]

    [PREV] [NEXT] [FIRST] [LAST] [ADD] [SAVE] [DELETE] [CANCEL]