

Date of Experiment: dd/mm/yyyy

Practical 8

Introduction to Java Script

1. Write an HTML which contains Java Script in the head section, which calculates percentage from the five subject marks. Display all five subject marks and percentage on the web page.

Hint:

```
<SCRIPT type="text/javascript">
    document.write("Welcome to the World of JavaScript
<BR/>");
    document.write("In this example we have used the
JavaScript in the HEAD element.");
</SCRIPT>
```

2. Write a Java Script which displays all the even numbers from 1 to 100.

hint **syntax of for loop :**

for(initialize ; condition ; increment) { ... }

example : for(x=0;x<10;x++) { // Code Here }

3. Write a Java Script which takes username and password using prompt box. If the username and password are “Admin” then it will display “Successful Login” message in the alert box otherwise it will display “Username and Password are not matched” message in the alert box.

Hint:

```
<SCRIPT type="text/javascript">
    var name= prompt( "Please enter your name: " );
    if (name==null || name=="") name = " visitor ";
    {
        document.write ("Hi " + name + ", Welcome to
JavaScript");
    }
```

</SCRIPT>

```
<SCRIPT type="text/javascript">
    alert( "Hello, I am an alert box." );
</SCRIPT>
```

4. Write a Java Script which contains functions to calculate area of circle, rectangle and triangle. Write a switch case to call above functions and take choice number from the user using prompt box.

Hint:

```
function total(a,b,c)
{
    var sum = a+b+c;
    document.write("total="+sum);
}
document.write("The sum is calculated by passing
arguments to the function<BR/>");
total(4,5,6);
<SCRIPT type="text/javascript">
    var letter="I";
    switch(letter)
    {
        default:document.write("consonant");
            break;
        case "A":document.write("A is a vowel");
            break;
        case "E":document.write("E is a vowel");
    }
    document.write("<BR/>Thank You!");
</SCRIPT>
```

5. Create login form. When user clicks on login button it will display following messages.
- If password is empty "Please enter Password"
 - If username is empty "Please enter Username"
 - If both username and password are 'Admin' then "Login successful"
 - If both username and password are not matched then "Login unsuccessful"
 - If username is not 'Admin' then "Enter correct Username"
 - If password is not 'Admin' then "Enter correct Password"

hint

```
<html>
  <body>
    <input type="text" id="myText">
  </body>
</html>
```

code snippet

```
<script>
  function myFunction()
  {
    var txt = document.getElementById("myText");
    alert(txt.value);
  }
</script>
```