

Web programming Assignment

18W11111246
K. Bindu Basha

6). write a program to find factorial value of any number entered by the user using javascript.

```
<html>  
<head>  
<script>
```

```
function show () {
```

```
    var i, no, fact;
```

```
    fact = 1;
```

```
    no = Number(document.getElementById("num").  
        value);
```

```
    for (i = 1; i <= no; i++) { fact = fact * i; }
```

```
    document.getElementById("answer").value = fact; }
```

```
</script>
```

```
</head>
```

```
<body>
```

```
    enter num: <input id = "num">
```

```
    <button onclick = "show()"> factorial </button>
```

```
    <input id = "answer">
```

```
    </body>
```

```
</html>
```

Output: enter number:

5

factorial

120

2) In a company an employee is paid as under.

If his basic salary is less than Rs 1500 then then

10% of basic salary and DA = 90% of salary

If his salary is either equal to or above Rs 1500, then
HRA = Rs 500 and DA = 98% of basic salary. If the employee's
salary is input, write the program to find the gross
salary, using JavaScript event handlers.

Program

```
<html>
<head>
<script>
function show() {
    var, no, ans;
    no = Number(document.getElementById("salary").value);
    if (no < 1500) {
        ans = no + (10/100 * no) + (90/100 * no);
    }
    else {
        ans = no + (500 + (98/100 * no));
    }
    document.getElementById("answer").value = ans;
}
</script>
</head>
<body>
    Enter salary: <input id="salary">
```

<button on click = "show()" > gross salary </button>
 <input id = "answer" >

</body>

</html>

output ∴

enter salary 1203
 gross salary 20382.16

- ③ write a program to take a character (c) as input and check whether the given character is vowel (a) consonant using java

class solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

Character c = sc.next();

if (c == "a" || c == "e" || c == "i" || c == "o" ||

c == "u") {

System.out.println("vowel"); } else {

System.out.println("consonant");

}}}

output

① z

consonant

② a

vowel

(1) Describe in multithreading concept illustrate with the java code.

Program:

```
class MultithreadingDemo extends Thread {  
    public void run() {  
        try {  
            System.out.println("Thread " + Thread.currentThread().getName() + " is running");  
        } catch (Exception e) {  
            System.out.println("exception is caught");  
        }  
    }  
}  
  
public class multithread {  
    public static void main(String[] args) {  
        int n = 4;  
        for (int i = 0; i < n; i++) {  
            multithreadingDemo object = new multithreading(i);  
            object.start();  
        }  
    }  
}
```

output:

Thread 1 is running
Thread 2 is running
Thread 3 is running

5) connect to the database using any of JDBC driver
and display records with bus ticket reservation
information;

```
try { import java.sql.*;
```

```
public class solution {
```

```
    public static void main (String[] args) {
```

```
        connection con = null;
```

```
        Statement stmt = null;
```

```
        try {
```

```
            Class.forName ("com.mysql.jdbc.Driver");
```

```
            con = DriverManager.getConnection ("jdbc:mysql:
```

```
                //local host | bus", "root", "root");
```

```
            System.out.println ("connection established");
```

```
            stmt = con.createStatement();
```

```
            String sql = Insert into booking values (130,
```

```
                "Hyderabad", "Chennai", "2021-01-12",
```

```
                "19:30:10", "2021-01-13", "19:30:10", 14, "person1", 30);
```

```
            stmt.executeUpdate (sql);
```

```
            sql = Insert into booking values (131, "Hyderabad",
```

```
                "Bangalore", "2021-01-13", "2021-01-13", "19:10:00",
```

```
                "2021-01-14 08:30:10", 3, "person2", 40);
```

stmt.executeUpdate(sql);

System.out.println("2 records have been successfully
executed");

Sql = "select * from booking";

ResultSet rs = stmt.executeQuery(sql);

while (rs.next()) {

System.out.println("Ticket no:" + rs.getInt
("ticketno"));

System.out.println("Source" + rs.getString("source"));

System.out.println("Destination" + rs.getString("destination"));

System.out.println("Dor:" + rs.getDate("dor").toString());

System.out.println("Departure:" + rs.getTimestamp("departure").
toString());

System.out.println("Arrival" + rs.getTimestamp("arrival").
toString());

System.out.println("Seat no" + rs.getInt("seat no"));

System.out.println("Name:" + rs.getString("name"));

System.out.println("Age:" + rs.getInt("age"));

System.out.println("\n"); }

conn.close(); }

catch (Exception e) {

printlnStackTrace(); }

output

connection established .

2 records have been successfully created

Ticket no: 130 .

Source : Hyderabad

destination: Chennai

Doj : 2021-01-12 .

departure : 2021-01-12 19:30:10

Arrival : 2021-01-13 19:30:10 .

Seat no : 4

Name : person 1

Age : 36

Ticket no : 121

Source : Hyderabad

Destination : Bangalore

Doj : 2021-01-13

departure : 2021-01-13 19:10:00

Arrival : 2021-01-14 08:30:10 .

Seat no : 5

Name : person 2 .

Age : 40