1Q: write a program to find factorial value of
any number entered by the user. Using
java script.

A:
```
<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 num : 5

factorial 120

20. In a company an employee is paid as under, If his basic salary is less than Rs. 1500 then HRA = 10% of base salary & DA = 90% of salary.

If his salary is either equal to or above Rs. 1500, then HRA = Rs 500 & DA = 98% of basic salary. If the employee salary is input, write the program to find this gross salary. using java script eventhandlers.

A:
```
<html>
<body>
<h1> The employee salary </h>
<form action = "myform. html">
   onSubmit = "myfunction().">
   enter salary : <input type = "text",
   name = "frame">
<input type = "submit" value = "submit"
</form>
```

```
<script>
Pgm:
<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 + ((28/100) * no);
}
document.getElementById("answer").
value = ans;
}
</script>
</head>
<body>
```

```java
    } catch Exception {
        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();
        object.start();
        }
      }
   }
```

O/P:

Thread 4 is running
Thread 5 is running
Thread 6 is running
Thread 9 is running

5Q: Connect to the data base using any of the JDBC drivers. Insert & display 2 records with bus ticket reservation information.

A:
```java
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:llocalhost/Bus",root","1034");
            System.out.println("connection established");
            stmt = con.createstatement();
            String sql = "insert into booking"+
            "values (130, "hyderabad", "Banglore",
                "2021-10-12", "19:30:10",
                "2021-01-13", 19:30:10", 4,
                "person", 38);
```

```
stmt.executeupdate(sql);
sql= "insert into booking "+
value(181, "Hydarmbad", "chennai",
"2021.01.18", "2021.0-1-18 19:10:00",
"2021.0-14 @ 8:30:.10", 5, "person no;
10);

stmt.executeupdate(sql);
system.out.println("two records has
been successfully inserted");
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("DOJ:"+rs.getDate
("doj")).tostring());
system.out.println("arrival:"+(rs.get
Timestamp("arrival")).tostring());
```

```java
System.out.println("seal no:"+rs.getInt("seat.no");
System.out.println("name:"+rs.getString("name");
System.out.println("age:"+rs.getInt("age"));
System.out.println("\n");
}
con.close();
}
catch(exception e) {
    e.printStackTrace();
}
}
}
```

output:-
Connection established
Two records has been successfully Inserted.

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: Person1

Age: 38

Ticket no : 131

Source : hyderabad

Destination : Banglore.

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