(1) Write a program to find factorial value of any number entered by the user. Using Java script.

A

```
2hml>
  Lhad-
  2 script
  function show () {
        var i, no, fact.
         fact=1.
         no = Number (document. get Element By Id ("num".). value);
         for (i=1; 12no; itt) (
              fact: factti.
        document getElement By Id ("answer"). value = fact.
        2\sinpt>
         < head >
         < body-
          Enfor num: Linput id = "num">
           a button on wick = "showle;"> factorial & button
          conpet id= "anjuery"
             2 (body>
              2 Intml >
Output: -
          Enter num: 15
        [ Factorial
                       120.
```

2) In a company an employee is paid at under. If his basis dalony is less than follow then the 2 lot. of base salary & DA = 90% of salary. If his salary is either equal to or above es 1500 then the A = ps 500 & DA = 98%. Of basis salary. If the Employee's salary is input, write the program to the day gross salary, using zavasuript eventhandlers.

Rogram: - 2html>
2 nead>
escript>
function show() {

var no, and;

```
If (no21500) {
               ans = no+ ((10/100) # no) + ((20/100) # no).
          cue (
             and = no + (500 + ( (98/100) * no);
       obcurrent getElementBy Id ( 'ans wor"), value = ans;
       4 script >
        ~ head >
       c body -
        Enter salary: zinput id = "Salary"
          = button onclick = "show" > Grow salary 21 button >
          einput id = "answer">
             z lbody >
              < mml>
     Output:
         Enter salary [1203]
         Grosssalory / 7 20383-16
Write a program to take a character (c) as input and check
  Whether the given character is a vowel or consonant using java.
   class Solution (
            Public Static Wid main (String[] args) {
                   Scanner Sc= new scanner ( System.in).
                  character c = sc-next(),
                  if ( c== "A' | c== "E" | c== 'I" | c== 'O" ||
                                               C=="0")1
                   System. out printle ("vowel");
               Jelle (
                    System out println ( "contonant").
autput!
                   outputz:
                     vowel.
   consonant
```

(A)

no = Number (document - get Element By Id ("Salary".) . value);

Describe indetail multithreading concept illustrate with the gava code. (A) Multithreading in java allows concurrent execution of two or more parts of a program for maximum utilization of cro Each part of such program it called a thread. So, threads are light-weight processes within a process. Program 1. Class Mutithreading Demo extends thread of Public Void runcof System out-println ("Thread" + Thread . current thread (). getId() + " is running"); yeatrh (Exception e) { System. act. printin ("Exception sis caught"). Public day multithread & Public static void main string () argo L Int nea; tor (int i=0: jen;147) (multithreading Domo - object = now multithreading Demo(): Object startes; output: Thread & is running Thread 5 is running Thread 6 1s running thread 7 W running. Connect to the database using any of the JDBC drivers. Insert and display 2 records with bus ticket reservation information. import Java .591. *. Public dass Solution Public static wid main (String[] args) (connection con = null;

Statement strat = nell;

PTO

```
class for Name ( "com mysel . Odbe . Driver").
      Con: Driver Manager . get Connection ("idbe; mysql: 11 local host lab
                                                     "root", "1234").
     System out printin ( "connection established");
         strnt = con · (realistatement();
    String sal = "Intest into booking" + "values (180, "thyderabad, "chinnoi",
             112021-01-12", "19:30:10", 42021-01-13"19:30:10",
                                       4, "lesson1", 38):
       Strat · execute Update (591);
         sql = "Injert into booking" +
                    "Values (13), "Hyderabad", "Banglore", "2021-01-13",
                             "20 21-01-13 19:10:00", "2021-01-14 08:30:10",
                                         5) " Person 2" 40);
         Somt · execute Update (196);
   System - out . println ( "two records has been successfully injusted );
                sql="scleet & from booking".
             Penut set 75 = Short , execute Query (591);
       while (rs. next()) of
            System. out - printh ("Tickelero: "+ 3. getlat ("ticketro")).
           system-act. printen ( * source i" + 15 getstring ( "Lource")).
           system out printin ("Destination;" + (" get shing ("destination");
          system-out printin ( DOJ:" + (ds. get Data ( doj') .to Shing()).
System - aut-println ( *Departure: "+ (rs.get Timestamp (departure) - tossing ());
System - out . printh (. Arrival : "+ ( rs.get Timeltamp ('arrival)) . to string (1);
system out . println ( "scat no: "+ 13 . getInt ("scat no"));
 System out println ("name: " + 13-getstring ("name"))-
 system-out.println ("age:" + 13-gotInt(age));
    system.out. println("In");
        con-colecty
       I catch exception e) h
                  c. print Stack Francis
```

output.

connection established

two records has been successfully injected

Ticket no: 130

source: thyderabad

Destination : chennai

DOJ: 9021 -01-12.

Departure: 2021-01-12 19:30:10.

Arrival: 2021-01-13.19:30:10.

seat no: 4

Name : person 1

Age : 38

Ticket no: 131

source: Hyderabad.

Destination: Beinglore

DOT: 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