1)

Write program to find the factorial value of any mumber entered by the use using Javascript.

Sput: The first line contains an integer . To the total number of test cases . Then I lines follow, each line contains an integer N.

Juan number il in a new line

Example:

15T 41000

0 ≤ N ≤ 20

Pout	output
3	6
3	20
4	120
	1 1 1

Ans.

Factorial of any Number.

<!doctype html>

< html>

<head>

LSCripts

Lection Show (15

vall, n, fact;

fact=1;

n=Number (document.get Element BId ("num").value); for(i=1;i<=n;i++)

fact= fact*1;

3

2/script> </head> <body>

Enter Num: ziput i d = "Num">

<button conclick = "show ()" > Factorial </button>

</put id = "answer">

</body>

</html>

In a company an employee is paid as under if blas baric salary is less than Rs.1500, then HRA=10% of base salary DA=90% of baric salary. If his salary is either equal to or above Rs.1500 then 14RA=Rs,500 and DA=98% of basic salary of the Employee's salary is input, write a program to find gross salary using Java script event handless.

Note: Grow salary = Basic salary + HRA+DA.

Report ! The first line contains an integer . T, total number of test cases . The Allow T lines , each line contains an integer salary.

output: For each test-case, output the grow salary of the employee in a new line, your answer will be considered connect if the absolute error is less than

0

```
output-
          Input
            3
                      2406.00
           1203
                      20383.16
           10042
                       2624
           1315
         <hhml>
Ans:
          thead>
        < title > gross salary </title>
         Thead>
         <body>
       <script>
       function show() {
      Vala n, an;
       n= Number (document get Element By Id ("Salary") - value);
      if (n(1500) {
    any = no + ((10/100)*n) + (40/100)*n);
       j
      else &
       ard = n+500+(198/100)+n);
     document. get clument By I d ("ans"). value = ans;
      </ script>
    Enter salary; cipput id = "salary">
    2button onclick = show()' > Gran salary 1/button>
     2 label id = lars' > 0 < (label)
     2/body>
```

4/ html>

Write a program to take a character (c) as input and chack whether the given charachler is a vowel or a constant using Java.

NoTE: vowels are 'A', 'E', 'I', 'O', 'U'. Rest all alphabets are called constants.

Input: Fill line will contain the character c

altput; print "vowel" if the given character is a vowel, otherwise print "constant".

constraint: c will be upper case English alphabet.

Sample arput Sample output

Constant

vowed.

Any: class char &

Public Static void main (String [7 algs) &

scanner 1c = new scanner (system.in); chal (= sc. next();

If (c = "A" || c = "B" || c = = "t" || c = = "o" ||

(= = "v") {

system out println ("vowel");

else if (c = = "a" || c = = "c" || c = ="i" || c = = "o" || $(= = "u")_{\frac{\pi}{2}}$ system.out.println("vowed");
else &
system.out.println("constant");
}

output !

1 constant

A vowel.

Describe in detail Multithreading Concept illustrates with the Java code.

Multithreeding in Java allows concurrent execution of two (or) more parts of a program for maximum whitzation of cpv. Each part of such program is called a thread. So, threeads are light weight processes within a process.

Program:

class Multithreading Demo Extends Thread & Rublic void YUN() &

try 2

System · out · println ("Thread"+ Thread · current Thread (1.

get Id() + " 11 Yunning");

] catch (Expetion e) {

(9)

```
System.out.printhn ("Enception is caught");
    Public class Multiplucead }
       Public static void man (string [7algs) }
       INF N=H;
     for (int i=0; i<n; i+1) }
  Multithreading Demo. object = new multithreading Demo;
       object · starti)
output : Thread 4 is running
         Thread 5 is running
         Thread 6 is running
         Thread 7 is running.
connect to the dalabase using any of the JDBC driver
  inself to display 2 records with Bus ticket reservation
  information like Ticket No (8 digit no), source, vertination
Take of Journey, Depatro, Arrive on (Time 24Hr (lock)).
  set No, Name, Age.
         import Java , 196. +;
          Public class Data &
```

(5)

```
Public Static void main (string [7alq]) {
         connection con=null;
         Statement 11-enull;
         try &
       class. for Name ("com, mysel. tab c. Driver");
    con_Drive Manage get connection ("Jdbc i mysel: 11 local host/
               bus ", "rod; rrobt");
   system. out print n (" connection established");
             St= con, createstatement();
          Strexecute update ("Enselt into booking values
             (131, "hyderabad", "chennal", "2021-01-12")
            "[9:30", +, "pellon 1", 38));
 stiencute update ("Intel into booking value (130, "visayouada",
        "hydelabad", "2021-01-20", "9:30", 5" pellon 2" 40));
Result set is = st. Execute Quely (select + from Booking);
   while(rs. ment 1))}
   system.out.printinl"Ticket no: " +xs.get Intl"ticket
                               number"));
 Mystem out printin ("Source: " +85 . get string ("Source"));
 system out printh ("Destination: "+ 85 get string ("destination"));
         con close ()3
```

sticlosus;

catch (Exception e) 3

e-print stack Tracely

3

3

3

output:

connection established

Ticket no:131

Nouce: hyderabad

destination: chemai

Ticket no 1 130

soule : vooyawada

destination: hyderabad.