WEB PROGRAMMING

Assignment - I

D Write program to find the factorial value of any number entered by the user. Using Javascript

input: The first line contains an integer. To the total number of testcases Then T lines follow, each line contains an integer N.

output: For each test rase, display the factorial of the given number N in a new Line.

Constraints: 1274 1000

0 ≤ N ≤ 20

Example :

Input output

3. 6

3 24

4 120

5

Ans Factorial of any Number

<! doctype html>

<html>

< head >

< society

function shower &

var i, n, fact;

-lact = 1;

```
n = Number (document-getElement By Id ("num"). value);
for (i=1; i=1; i++)
  fact = fact * 1:
 downent-get Elements By Id ("answer"), value = fact;
 4script>
 «Ihead»
<body>
 Enter Num: Linput id = "num">
 Zbutton onclick = "show()"> Factorial z/button>
 <input id="answer">
 4/body>
             Carlies Court Cotony 2/ Siller
 </html>
output: Enter Num: [4] [factorial]
```

(3) In a company on employee is paid as under: if his basic salary is less than Rs. 1500, then HRA = 10% of base salary and DA = 90% of basic 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 a program to find his gross salary. Using Java-script Eventhandules.

NOTE: Gross Salary = Bosic Salary + HRA +DA.

Input: The first line contains on integer, T.

total number of testcases. Then follow T lines,
each line contains an integer salary.

```
output: For each test case, output the gross solary
 ob the employee in a new line. Your answer will
 be considered cornect if the absolute error is less
 than 10-2,
 constraint: 1274 1000
           1 \ Salary \ 100000
 mput
              output
 3
             2406,00
 1203
              20383.16
10042
  1312
      Zhtml>
                        Elly Wallette"
Ans
      < head >
      Ztitle> Gross salary 2/title>
      Uhead >
                   The small state of the place
     2body>
      Lscripts
     function shows f
       var n, ani;
        n = Number (downent.get flement By Id / "salary")
                          .value):
      if (n <1500) {
       ans = no + ((10/100)* n) + ((40/100) * n);
                 500 + ((98/100)*n):
```

document get Element By Id ("ans") . value = ans: 2/script's Enter Salary: Linput id = "salary"> zbutton ondick = shows > Gross salory 2/button> 2 label id = 'ani' > 0 2/label 11body> z/html> output: total salary: [1312] Gross salary 2624 (3) Write a program to take a character (c) as input and check whether the given character is a vowel or a constant. Using java. NOTE: - Vowels are 'A', 'E', 'I', 'O', 'U'. Rest all alpha - bets are called consonants. input: First dine will contain the character C output: Print "Vowel" if the given character to a vowel, otherwise print "commonant" constraints: C will be upper case English alphabet Sample output sample Inpul. Consboant Public Static Void main (string[] args) f

Scanner Sc = new Scanner (System. in);

char c = sc. next();

if (c == "A" | 1 c == "B" | 1 c == "I" | 1 c == 'o'|

c == 'o') {

System.out.println ("voice!");

3 elseif (c == "a",11 c == "e" | 1 c == "o" | 1 c == "o" | c == "o" | 2

System out, println ("vowel");

3 élie {

system.out.println("consonant");

3

3

2

output:

N

consonant

A

vowel ...

Describe in detail Multi threading concept illustrate with the java code.

Ans Muttithreading in java allows concurrent execution of two or more parts of a program for maximum utilization of CPU. Each part of such program is called a thread. So, threads are light weight processes within a process.

```
program:
   class MultiThreading Demo Extends Thread &
    Public void run() {
     try &
     System. out println ("Thread" + Thread.
          current Thread(): getId() + "is running");
  3 catch (Exception e) {
        System. out. mintln ("Exception is caught");
           Aprilm. no Jarolipa, wat
  Public class MultiThread f.
    public static void main(string [Jargs) {
       Multithreading Demo. Object = new Multith.
                        -eading Demo ();
          object.start():
             in the man beduncad, tone sounds
output: Thread 4 is running
     Thread 5 is running
    Thread
```

```
5 Connect to the database using any of the Joer duing
ment 4 display 2 necords with Bus ticket resewation
information like Ticket No. (8 digit no.), source, Desti
-nation, Date of Journey. Depart no. Arriva On (Time
 DY Hr Clock), seal No., Name, Age.
Ans import java. sql. *;
       public class Data {
        public Static void main (string[] args) f
             Connection con = null;
            Statement St = null;
         try f
           class. For Name ("com. mysql. jdbc. 10 river");
           Con = DriverManager get Connection ( jdbc : my)
                    : | localhost / bus", "root", " root");
        system. out. printin ("connection Established");
           St = con. Createstatement ().
          St. sxecute update ( must into booking
Values [131, "hyderabad", "chennai", "2021-01-12",
             "19:30", +, "porton 1", 38));
     st. Execute Update ("Insert into booking values (130,
      "rijayawada", "hyderabad", "2021-01-20", "9:30", 5, "person2"
  Result Set rs = St. Execute Query (select + from booking);
  while (rs. next()){
     System. Out. println ("Ticket no?" + rs.getsint ("Hicket
                          number ") ):
```

```
System-out-println("Source:" + rs.get String ("source"));
systemout, println ("Destination" + rs.get String ("destination"));
 con-closel);
 St. close();
catch (Exception e) {
      e. print StackTrace ();
output:
    Connection Established
    Ticket no: 131
    Source : hyderabad
    destination; chennai
    Ticket no: 130
     source ; vijayawada
     destination: hyderabad.
```