WEB PROGRAMMING

Roll No: 18WHIA1220

Assignment - I

Dulrite 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 I lines follow, each line contains an integer N.

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

Constraints: 1 = T = 1000

0 ≤ N ≤ 20

Example:

Input output

3.

3 24

4 120

Ans Factorial of any Number

<! doctype html>

<html>

< head >

<soript>

function showers {

var i, n, fact;

-lact = 1;

```
n = Number (document-getElementById ("num"). value);
for (i=1; i2=n; i++)
                 and its farmers harshippens and
  fact = fact * i:
 document.get Elements By Id ("answer"). value = fact:
 4script>
 2/head>
<body>
 Enter Num: Zinput id = "num">
 Zbutton onclick = "show()"> factorial //button>
 <"nput id="answer">
 4body>
             > Gross calany 2/ filtles
 </html>
output: Enter Num: [4]
                             Factorial
```

(1) in a company an 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 = Basic Salary + HRA +DA.

Input: The first line contains an integer, T, total number of testcases. Then follow T line, each line contains an integer salary.

```
output: For each test case, output the gross salary
 ob the employee in a new line. Your answer will
 be considered cornect if the absolute error is less
 than 10-2,
 constraints: 1517 1000
   1 \ Salary \ 100000
 mput
             output
            2406.00
 1203
            20383.16
             2624 arest a bi duget & course rate a
 10042
          As longtons = "chows" = sailons audiods
 1312
                      <"rangae" = bi tumpis
    <html>
Ans
     <head>
     Ztitle> Gross salary 1/title>
     Zbody > 1 1 mould ada inglue
     Whead >
    Licripts at many and more than a me
    function showers
   var n, ans:
      n = Number (downent get Element By Id ["salary")
                        ·value);
    if (n < 1500) {
ans = no + ((10/100) * n) + ((40/100) * n);
```

document get Element By Id ("ans") . value = ans: 11script's Enter Salary: L'input id = "salary"> 2 button ondick = show() > Gross salary 2/button> 2 label id = 'ani's o ellabel 11body> 2/htmd> output: Enter 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 is a vowel, otherwise print "commonant" constraints: C will be upper case English alphabet sample Input. Sample output. they don't out to no no constant constant 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 == "v") {
       System.out, println ("voice!");
    3 elseif (c == "a"11 c== "e" 11 c== "o"11
           c = = "u") q
         System. out. println ("vowel");
    3 élie f
        system.out.println("consonant"):
 output:
              consonant
                   vowel. ...
1 Describe in detail Multi threading concept illustrate
 with the java code.
Ans Muttithreading in java allows wnowent
   excellution of two or more parts of a program
for maximum utilization of CPU. Each part
  of such program is called a thread. 80,
  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. mintin ["Exception is caught");
class for Mame (" wno. mysql. jdbc. & ofee);
Public class MultiThread {
             static void main(string [Jargs) {
         for (int i=0; izn; i++) {
       Multithreading Demo, Object = new Multithr
                         -eading Demo ();
            object.start():
or sucuto of interest teste booting value (120
        vijnyavada" bydenod" "sozi-or-zu" "9130".
 Thread B is running.

Thread B is running.

Thread F. is running.
```

5 Connect to the database using any of the Joes drivery insent 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 24 Hr Clock), seat No., Name, Age. Ans import java, sql. *; public class Data & public Static void main (string[] args) f Connection con = null; Statement st = null; try { class. for Name ("com. mysql. jdbc. Driver"): Con = Driver Manager get Connection (idbe : mys) : | Localhost/bus", "root", "root"); System.out. println ("connection Established"); St = con. Createstatement (): St. Execute opdate ('Invert into booking Values [131, "hyderabad", "chennai", "2021-01-12", "19;30", +, "person 1", 38)); st. Execute Update ("Insert into booking values (130, "vijayawada", "nydelabad", "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.getInt (" Hicket number")):

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