JAVA - PROGRAMMING ASSIGNMENT - 3. REG.NO: 192321154 NAME: S. DHARANITETA COURBE: JAYA DATE: 29-07-2024.

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write a program to print the following pattern
    import java . ulil . scanner;
    public class Pattern Brinker
                                          hing at morparcy a storie
    Public static void main (String [] args)
     Scanner Input = new Scanner (System ?n);
                                            us John wol when
     char c = input . neretco. char Atco);
      int n = input . nextln ();
      for ("nti=1; iz=n; i++)
       System. out printin (string value of (C+" "). respect (i) trim ());
2. Find the year of the given data is leap you a not.
    import. java. util-Scanner;
    public class Leapyear checken
     Public Habic void main (stringt) args)
     Scanner input = new Scanner (System . in);
     int year = integer . parselnt (input noxt () . split ("/") [2]);
      f((year 1.4 == 0 && year=1.100 1 =0))) (year 1.400 == 0))
       System al printer ("Given year is a leap year");
      I else {
      "System . out. Printer ("Given year is not leap year");
```

KEGGOD TRESENER Find the number of factors for the given numbers 3. Emport Java Wil Scarner; public class Factor Counter int n = new scanner (System-in). neutln (), factors =0; for (inti=1; i=n;i++) =f(n-1,i==0) factors++; System. out. prouder ("Number of Jackors ="+ factors); public slaw Pottern Drinks Write a program to print the given number is perfect runde 6) er not? Emport Java. ulil. Scanner: 1984 Manua 2 auro duga connect public class Perfect Dumber checker ONTEN : FIRMS . MENTEN JOHN Public Stable void main (string [] asgs) int n = new Scanner (system = in) nextln (), sum = 0; for (int i=1; icn; i++) if (n == == 0) sum += i; af(n==sum) system out print to (MIT's a perfed rumber); 3 else { system out printle ("It's not a perfect number") telle stable vois main (st grade pride (" fire year is a loop years ("need done for it was to be done to be done)

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write a program to print the number of wowels in the given
               Statement?
                import . java . util . Scanner;
                public class vowed Counter &
                Pullic state vol main (string edangs)
                 int vow = 0.
                 for (char C: new Scarner (system in) northine () - to char Array())
                 of ("A EIOVaciou". Indered (c) !=-1) vous++;
                 : ( acout " = elemen & request (" Number of vousles = " + vous);
when
             write a program to frint consonants and vowels reparately
              in the given word.
                 import Java util . Scanner;
                 public class Consonant Vovelseparator
                  public static vad main (string [] args)
                  Scanner input = new scanner (system = in);
                  string name = input nexteine (), vowels = ", Consonants =
                  for ochar (: name to char Array ())
                   F("AEIOUaciou" inden of (C) !=-1) vowely="c+"
                   System. out printly ("Consonants." + Consonants. trim ())
                   System. out. println ("vauely: "+ vauely, frim ());
```

write a program to point the Fibonacci series. Brog import java alt. scarrer; public class Fibonacci Series Public Static Visid main (string [] args) scanner input = now Scarner (system . in); int n = input = nex+Int(1, a1 = 0, a2 = 1; reliners") retriency o see for Cinti=0; izn; i++) System , out print (a1 + ""); a 2 = a 1 + (a1 = a2); menores alson one absorbances hard of morpored a write a program to find the Square, cute of the given decinal number import java util scanner; Javers Javers boy state some Public class SquareCube Public Static void main (string[Jarga) float n=new Scanner (system in)-nentfloat (); System out prints ("Square Number: "+ (ntn)); System out println ("(ale Number:"+(n*n*n)); s mich, Donas + " (Cloude") setting to our

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Brogram to find the frequency of each element in the array.
    impart. java. ulit. Hartingo;
    import java. util Map;
    Public class Frequency Courter
   Public static void main (string[] args)
     Fre [Ja = {1,2,8,3,2,2,2,5,1);
    Map & Enleger, Integers freg = new Hash Map <> ();
     for (int num; a) freq. put (num, freq. get or Default (num, s)+1);
     freq forEach ((key, value) -> System - out. print ln (key+"1"+ value));
10. Write a program to print the given number is Perfect number
   hot)
   import java. Wil . Scanner;
   Public class Perferct Number Checker
     Public static void main (string (Jargs)
     int n = new Scanner (system in) nextlati(), sum = 0;
     for (int i = 1; icn; it+)
      { (n-), i == 0 ) sum + = 1;
     /(n==Sum)
       System-out println ("It's aperfed number");
      System out printer ("It's not a perfect number");
```

J. Cel