```
Name: Soltifich Kumar ?
                                       CSACRA3-Pagadomina
                                        in Java for Application
                                        DOVOLOPIODENE
                                   Pate: 2067/2024
1 write a program to Point the following pattern.
     Propose Java UERI Scarnes;
     clase main f
        Public States Nord mais (stoling [], augs)
     Soonner Popul = new scanner (system. 90);
     chan c = Pripat - nescect chan AE(O);
     But U= BUDONT, WEST INFO;
      for (Pat 8=1; 8c=n; 1+1)
        FOT (97=8=10,32=9; 9+A)
        System-out. Point (c):
       System - out . Potnem();
2. FRA the Year of the gruen data & leap your or not.
    Import Java Util-Scanner;
     Public Classax
        Public Static void room (Storing [], angs)
         Scanner Poput = new scanner (System. Ph);
         System. out Pothtle"Enter Year?");
         Storng year = Enport next ();
          Storng a CI = year. SPIPE ("1");
          Storing d = a [2];
          POR num = Integer parse Int(d);
         & (1 Umus 64 = = = = = = × umus 6000 i = 0) 11 um 864 00 = = 0)
             System-out-Pointin ("It is a leap year");
             system out Point un ("Not a teap Year");
```

Reg No: 192321148

```
3 FADO the number of factors for the given number.
    Propose Java Util Scanner()
    clas roung
       Public State word main (Storing [], ange);
    Scanner Pripret enew Scarner (System. Pri);
    Pot n= Phopat next Into>
    BUT FORFORD =0;
    tor (me P=1; Pc=n; Pt)
     R (no/0) = =0)
            factors = factorsty
     System out-Dofter ("Number of factors="+factors);
     1. Scanner Papel
     Scanner Popul = new scanner (system Po);
     Port h=Popul-next Int ();
      Pot factors=0;
      (00 CPn+ P=1; PIN; P++)
      & Pt (4006==0)
             (actor s+t)
       System.out. Point (factors);
4 Write a Program to point the given muster is
  Perfect number or not?
     Proport Java Util. Scanner();
      class main ()
          Publ? = Stat? vold main (Storing [] augs);
     Scanner in par = new scanner (System - in);
     Pht n=Phpat, next();
      Port factors=0;
      POS CART P=17 PLD; P+1
     9 et (11/2==0)
         factors = factor Sti;
     Ph (n== factors)
       system out Pothtin ("It's a per fect Number");
```

```
5 Write a Program to popul the pursible of vocal in
  the gruon State ment.
    Ropport Java, Utl Scamer();
    class marky
       Puble= state vold main (serenges, angs);
     Scanner Propor = new scannor (system. Pal);
     stoled vous = bubon rext five();
     Port Lan = name . Longto ();
     chan acz=new char(ten];
     PUF LOWED
     for cPn+ P=0; PILen; i++)
     g a CPJ=name-CharAtCP);
       P+ (a CPJ==(a'll aCTJ== e' 11 aCTJ== e' 11 aCTJ= o' 11 aCTJ= o'
          110==[i] == [i] [ [aci] == [i] [ [aci] == [i]
                                             a (17 -- 16)
          YOU =VOW+1;
      SAJAStom. Out. Pola FM (NOW);
6 Write a Program to print consonants and course
  separately in the officer word.
```

Separatery Pritter Stren word.

Propose Java. Util Scanner ();

class rowing

Public Static void main (Itering[], angs);

Searner Prout=new Scanner (148+am.in);

Strios name=input. head(Proci);

Pre Len=name. Length();

Chara a CJ =new Char [len];

charowcj=new Char [len];

on as con CJ=new Char [len];

int v=0, c=0;

```
tox ( 80 + 150 ; 10 1000 , 17+1)
   acps = name - CharAtion
   Pr (act)=='a'llact)=='ellact]=='1'llacts='o'll
       a co== '0' 11 acij== 'E" 11 acij == 'z' 11 acij == '6'11
      タイラニー10178
        ( ETZP=EV) WOV
         V++;
      21509
          : [[] = [] 1000
           C++;
         2
    System. out. propost "con sonants: ");
     for (Pn+P=0; 124; 17+1)
      System - Oct. Pofit (UOWETZ),
      System-out. Popor + (Mn vowels."))
      (00 (Pn+ 3=0;32c;3++)
        System.out Poth (con c33);
7 Write a Program to Print the Gibonarce SerPus
   Emprove Java Util-Scanner (System. Pn);
   Pro h= input next Int();
    Pas a (=0, 2=1;
    for CAL P=0; PLN; P++)
    2
      system.out. Point (act" 1);
     Par a3=a1+a2;
     a1=a2;
     az= a3;
```

```
8 Worke Program to find the square, cube of the given
   deamal number sample of npert.
    Proposovo Java DEIEZ Cannos;
    class rosain f
        Public Static void main (Stapped; angs)
    Scanner Papul = now Scannor (System. Pa);
    float n= input. nextfloates;
    System.out. Popat ("Square:"+(n*n);
    System. oct Parke ("cube: "+ (ntn* n)))
a Program to And the frequency of each element
  Por the array.
     Proprove Java Util- Connern ();
     Class main of
        Public Static vold main (stolnges, args)
     Scanner Prout = now Scanner (System. Pr):
     Prt a CJ = new PrtCJ & 1(2,8, 3(2,2,2,5)3;
     Pr+ F[]=new Pr+[a-Length];
      in= asset =-1:
      for cPn = P=0, P La · Length; PH)
         Prt Count=1;
          for (Pn+ 5=971) 2 a length is ++)
         (CL) P== C920) 79 ?
                Court ++;
                FCJ = visted;
```

```
C 6079292 1 51232 79
          + CBJ scourt;
       for cPn:= 1=0, PLQ. Length; PH)
       Pr CECIJI = vesited)
            System. Out. Polntln (acijt" "+tEj)?
        3
    3 3
10 write a Program to Point the given number &
 Perfect number or not?
   improde Java Util. Scanner (1)
   class mains
      Public States vold main (stoling []) anys
   Scanner Proport = new scounner (system. Pn);
   PAR n=Proput roset Int();
    but tactoes = 0;
    for (Pac 8=1-, 82n-,8+4)
    2 (P+ (D+-8==0)
          forctors=factorsti;
     If (n== Factors)
       System. out point ("It's a Perfect number")
```