JAVA

PROGRAMME

```
wiester prisecually sate survey our more poster a stired (I
 import java. util . scanner;
lublic class Pattern Beint en 1
       Public static void main [ Moving [ ] arcy. I &
            scanner input = new scanner (system. In);
            chare = imput . next () . ch cont (0);
            and n = input. nextln();
            Jon (TMF)=1)1<=N2,141)
            system. aut. Pounth (string, value of Cc 4 " "), repeat (i)
2) Hind whe year of the given data is leap year or
import java. util. scanner;
Public dans hapyear checker &
    Public votatic void main (string [] args) ?
       scanner input = new scanner (system. in);
       dut ujear = integer. presenden Cinput. next(). split("1") [2]);
      2) (year y, 1 == 0 28 year y, 100 != 0) 11 (year y, 400 == 0)) d
      systemant. Brintle (" briven year is leap year");
        I else &
         System. out. Printle (" vilver is not leap year");
```

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3) Think the number of factors for the given number.
Suport Jana all remmen;
Enterie etam factur cameter t
    Findic Amile raid menin Estring 13 angest
    int " : mu seamon Conjetent in) nextint (), factors 20;
    904 (dut 1 = 13 1 = 2 11; 1 +1 ) if (11 41 = 20) factore +1 )
    Mystem. aut . found the ( "Munition of factors = " + factors );
    Coyect number on hot
idupent java. alle semmen;
Public class specfect Munition Clacker &
     b legue Est privates super situates sistems
     alet 11 2 1100 securion Edystem in) next let (), sum 20)
     For Calut 1=151211; 1+4) if (ny. 1 = = 0) sum x = 1)
     al ( u = = sum) {
        different aut. paintle ("The a perfect number");
       Jelse 1
        System aut Primen (" Its not a forfeet number 1");
   3
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5) Point the num of vanish of given statement mind (2
import java. util. scenner;
   Public static void main (string LJ arays) &
lubic dan vous courter &
   For ( char c: new reasurer (ry, tem, in). next Line (). to char Array ())
   4 ("AEIOU aclou". Ludex DF(c) !=-1) you 47;
    system. aut. printle ("Number of vamile = " - vam > ;
6) Write a program to print consorante a vamely reperately
8) white a frequent to find it produce to still no
impore java. util. scanner;
Public dans consonant Vamel Separator L'
   Public static vaid main (string () args) & med silded
       scanner input = new scanner (system.in); illowed
       string name = input nextline(), nowels = "", consonants = "";
       For (char c: name. to drandray ())
        . 26 ("VEIDA asion, ingexo Eccs 1 = -1) namer + = c + " ";
          dre consonants + = c + "";
       system. aut. Bruntly ("(onsonants:" + consonants. bull ());
       system.out. Printer ("vauses:" + vouses: trim ();
        Y
```

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7) fibonacci series
 import Jana. util. scanner;
 Public dan fibonacismient
       Public static void man (string [] arays) &
       scanner input = new scanner (system.in);
       dut n = duput. nextint(), a1 =0, a2=1;
       Jon (int 1=0; ixn; i++) &
            system. aut prently (a1+ "");
            az = a 1 + (a 1 = a2);
8) write a program to find the square, cube of the given
                                              decimal number.
import java util scanus;
   Public class square cube of
      Rushic static vaid main(string [] args) &
        float n = new scanner (system.in). next float();
        system. aut · brintle ( "Square number: " + (n *n));
        system. aut · Brintlu (" cube Number: " + (n * n * n));
```

y

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Find the frequency of each element in the average.
import java util scanner;
 Public clars Frequencycounter &
       Public reatic void main ( string [] args) &
       int [] a = 21,0,8,3,2,2,2,5,13;
       map & integer; integer> Freq = new Hashmap <> C);
       (or wine num: a) Freq. put (mim, freq. get Ordefault (num, o)
                                                         41) 5
        Freq. for. Each ((Key, value) -> rystem. out. Printen
                                     ( Key + " 1" + value)) ;
30) lerfect number on not.
import java. util. scanners
Public dan Perfed Number checker &
     Rublic Ntatic void man (Mring () angs) &
     int n = new scanner (system. In). nextint (), sum =0;
     For (int i = 1; 1 < n; 1++)
        Jf (ny.i == 6) sum += i +
       Of (N == sum)
         system. out. Printle ("It is a ferfect number");
       elsa
         system. aut. Bruntin ("It is not a perfect number:");
```