Assignment-3

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21. Write a program to print the following patterns
 Scanner input = new scanner (system in);
 Char C=input. next (). Char At (6);
 int n = input . next into;
  for Cint i=i: ix=n; i+t)
    for Cint j=1; j L=i; j+1)
     System. out. print cos. ( Ati Maria
    Systom . Old . print (NC);
                        ( al moto) ) tolol + two wood pt
22. Find the year not the given date is leap year or
         if all thing to morpors x2
import java until, Scanner; (151)
 Public class ak
          (Ci) outper) more than Isai 191102
   Public static void main (String () args)
    Scanner input - new Scanner Csystem in);
    System out print ("Enter year: ");
     String year = input . nort . ();
     String all = year split ("1");
     String d= acz;
      int num = integer, parse Int (d);
      15 (Chum 1. 4==0,000 humy. (00 )=0 11 hum 1.4==0)
        System.out. Print m (" It is to leap year").
       e150
         Stystam. Out. print In ("It is not a leap year");
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23. Find the number of bactors for the Given number.
Scanner in put - new scanner (System in);
 int n=input next Int (1;
 for Cint ist; ixen; ital.
    is (ny.1==0)
    factors = badors +1; 18 mon man hall
  system. Out . print C'Number not ifactors = "+factors);
  1. Scanner input = new Scanner Csystem in);
  int n=input neat Inter;
   int factors =0;
   for Cint i=1; i <= n; 1++) (00 min) 200 min)
  8 1t (n 1.1 == 0)
   factors++;
  system. out. Print (fectors);
            is each river the grow only the liver co
 24. Write a program to print the given number is
perfect number or not?
                                    Turklig close all
 Scanner input = new Scannon Csystem in);
int n=input . nextInt();
  int factors=0;
  for Civil; ith)
    if (nyi==oil (ny) (shot) grant two-cookye
                     10) true tagain my paint
      factors - batters +in
    if Ch== factors ) 221051. 1900111 5 MUN 141
system out print ("It's a perfect number");
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25. write a program to print the number of vowely
 in the given statement?
 Scanner input: new Scannor (System in);
 String Name = input. Nextlines;
  int len = norme. length();
                               (++i :Axi : o i +i) +of
 Char all=how char [len];
 int vow=0;
  for (int i=o; izlen; itt)
   Q[i] = name . charAt (i);
   if (ari) == 10/110[i] == 10/11 ari] == 11/10/11/10 == 11/10 ] ?i
     acid=='u'||acid=='A'||acid=='P'||acid=='O'|)
arid=='(1)
        VOW=VOWTI;
                              (1) or Just toget = 17
     Byston . out. print Incrows; ( +1) as sill i this out
 26. cevite a program de Print hollow Square Symbol
  Scanner input = hw scanner (Sigstem, in);
  Charc= input. heat () . char At (6); ming . ho mosses
  for Cint i=1; it=n; it+)
     for Cint j = 1; j <= n; j++) moreoug a stice Pe
       if ( i == 1 || j == 1 || i == n) | == n) into
        else (Ni mosapes) ramase "is"); sugni ramase
           System. our print (" 11), tignin tools
                            por) ming two morpe
         System - out . Print Inc);
           · FRYNTAD +
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27. Write a program to print Fibonacci Series,
S Canner input = new Scannor (29stern, in);
int nainput next Int (); million light source come
int at=0; a2-1;
 for Cint 1=0; ixn; i++)
  , System. out Print (a)+" "); (Affic no) 11 (por i dai)
   int a3 = a1 + a2;
   a1=a2;
   a 2 = a3;
                    [ati] = = '@'|10[1] = = [1]
28. write a program to print the putterns
Scanner input = new Scanner (System. in) , wow
 int n=input rest in ();
  for Cint i=1; iz=n; i++) : (wov) All tring . two. motive
     for Cint SELVILL=179 jft) of morporg as ofined
     System out. Print (1), smoos and = Jugai regulation
     System. out. Print IAC); a rolls. Obrah Jugal = 3 red
                               this westines builty
29. write a program to find the show, chibe of
 the detail ducinal Number ? : 11 1 = : 11 1 = i ) ? i
 3 conner input = new Scannor Csystem in);
                       System out Print Co
  float n=input . next float cr. see miles
 System out print ("square: "+ (n * n)
  System. Out . print ("Cabe = "+ (h* n* n);
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80. write a program to find the frequency of each
clement in the array?
import Tava. Until. Arrays;
import Jave. Until. Scanner;
Public Class cub ?
     Public Static Void main (String [], args)
     Scannor i What = New Scannor (System in);
     int all = now int 27 {1,2,8,3,2,2,2,5,13;
      int t c3= newitta.length];
     for Cint i=0; ita slength; i++)
        int Count =1;
        for (int j=i+1; j (a. longth; j+1)
          if (ati) == 0 Tj])
          Court ++;
          t [i] = visited;
       if Ct [] != visited)
           + (i) = count;
        for Cint 1=0; (kadength; 1+1)
         if (t [] != visited)
             ttis= 60 unt;
           for Cint i=0; i kaolength; i++)
           if CECIJ = visited)
            System. Out. mint in (a [i] +" "++ (i));
```