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Fibility
   Date: 31/7/2024
                                                 19232601
                              Assignment - 4
   Day: wednesday
31) Find the factorial of 1?
   import javo. Util. Scanner;
   Public class factorial
        Public stolic void main (string [] args)
           Scanner input = new Scanner (system. in):
           int n = input . next Int + ();
           int fact =1;
           for (int i=1; ic=n: i++)
              fact = fact *;
            system. out. Println (n + "factorial = +"fact);
```

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32. write
              Program to Print the bolow
  Polters
             System . od. Printla ();
    4 9
    16 25 36
    49 64 81
                    loo
  c'imposto java: util: scanner;
   Public class Print Pottern
               import jour. ofil. Swaner.
       Public static void main (string [] args)
             cluse composite number
       Scanner input = new Scanner (system. in).
  int n= input. neoct Int ();
          int 14= 1;
  (44 ion; n'est : 121; l'est por l'aprère)
  ist over Ed = file, 18, 27, 16, 23, 21,
             for (into j = 1/10, j = 1; j++)
       system. out. Print (12 ");
```

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system. out. Println ():
33. Write a Program to find the number
   of Composito numbers in an array of
   elements. - mostly trion all
   impost joua. util. Sommer.
   Public Clars Composite number
  Public static void main (string [] args)
        Scanner input = new scanner (system. in).
        int wor [] = {16, 18, 27, 16, 23, 21, 19);
      int len = our . length;
        in word = 0;
      for (int i=0; i = den; i++)
```

and the training me

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ind (CHEO; man logice in Ini
           bos (ind j=1, j c 100; j++)
             ib (au [:] ==0)
              3 (0= 1, 8 %, 1) A:
          i+ (c)2) i= [i] 1000
            Count ++;
          system. out. Println ( wont );
      system . out. Pristle (wor In 121);
24. Find the nth odd number after n odd number
```

importantion of the Starter your or along 25 impost joua volil scanner Public class odd numbers ingest jung. util. Sanner; Public static void main (string [] args) scanner input = new scanner (system in);

3

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int n = input. next Int ()
         int over [] = new int [100];
         id j=i
         for (int i=1; ic100; i++)
              it (i 1, 2 ! = 0)
               wor [ j] = i = ( c. )
             system out. Println (count
        system out. Print In (wor [ " 2]);
35. Write a Program that finds when a
   given duraters in a string
   oo not.
              Public class odd nombers
  impost java. util. Scanner;
  Public class characters into
```

and swings (systemin)

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Public static void main (string [] args)
        scanner input = new Scanner (system - in)
        string sto = input. next Line ();
        chan our [] = new chan [sto.length ()];
         ind len = sto. length ();
        int =0;
         for (int i = 0; i len; i++)
         av [:]= sto. Chur At (i);
             i + ( wr [ i] == ()
Public static void main fation I 3 ways
this motors of remosystem couts Print, In 6 Cat is found in
             (1) the ton togristing tod indest: "
                                         (i+i)
             (t+ 1: n= ) i : 1= i + ni) roj
      9 (17) : 1 = i tri) = of
       if (x = =0)
      system. out. Print ("Character rol found"):
           a vation out Position ();
```

36. Write a Program do Print the below 36. Write a Program Patters marches and a 3 3 3 3 3 000 000 = [] 4 4 hippol . etc = 00 2 2 import jour util . Scenner; Public class Print Pattern Public static void main (string [] wrgs)} -) scanner input = new scanner (system. in); int n = input. next Int (); for (int i=1; i c=n; i++) for (ind j=1; j = i; j + t) system. out. Print In (); system. out. Point In ();

```
for (int i=n-1; i >= 1; i--)
         (morpos Cinto j=1; j = 1; j + +)
              system. out. Print (i);
             system. out. Print In();
System out Print ("Asmotory aunder)
     System out. Proist ("Not Assembly on
37. Program to find whether the given number
  is Armstrong number or not.
  import java util. Scanner;
Public class Armstrong
   Public static void main (string [] args]
                    invent jone util sanner;
        Scanner input = new Scanner (system in);
        int n = input. next Int(); and silds
```

int num in;

```
while (num 1 ! =0)
       h
          int dem = num 1 % 10;
          orm = wim + ( sen * sen * rem);
         num 1= num 1/10;
        is (inter wind) of too notice
           system. out. Print ("Asmstrong number")
        else
           system. out. Print ("Not Armstrong
                                        number"):
     3
28. Write a Program do arrange to letter
   of the wood ap alphabe tically in reverse
   odder.
   Public static void man (otary I Jarya)
   impost javo. util. Scanner;
   import jour. util . Arrays;
  Public class all the bon togni
```

```
Public static void main (string wags [])
           scanner input = new scanner (system. in);
            string name = input. neset Line ();
            int len = name. length (); tegni
            chan won [] = new (han [len ])
            string Alpha;
 constit crief for "Cint i = in i wilet; ittle
(hi. motore) rommarr [i] = name: char At (i);
     Shink name = input inact Line ():
 onish") III story of ser on mon and an interest
( "00 I 3 A for (ind i = len - 1; i = 0; i - -)
              2 (in) il Lief . loo . ristape
                 system. out. Print (wor [i]+"");
```

39. Write a Program that accepts a string from user and displays the same storing after removing vowels from it. ill and tream tuger = gran prists impost java util sonner Public class removing vowels Stains Alpha Public stadic void main (string [Jargs) (i) Sanner inpot = new Scanner (system.in) string name = input. neset Line (); ni= name. reprace All ("Aeiou 1 :0= 4 [. - NO]; AEIOU""); system. out. Print In (ni); system. out. Print (was List"

```
40. Write a Program do Print hollow square
   Pollon Potterns
   impost java. util. Scanner:
   Public class square Dollar pottern
      Public studic void main (string [Jorgs)
            impost jono ofil sannon:
   Scanner input = neu Scanner (system-in)
         int n = input next Int ();
 (1: notate for Cint 2 i =0; i Lacin; i++); most
         Lill his toon. togoisa toi
            (food (int j =o; j cho) jetat)
               (i) (i==0(11:j===011) i== n-111j== n-1)
                   system. out. Print (" &");
   (1-n== illi-gi= illo== illo==i) |i
              (" system. out. Print hats (" ");
        ) system out Proint In ()
```