Date: 2/8/24 Assignment -5
Day:

41. write a Program do find the sum of digits of n digit number sum should be single digits.

impost javo. util. scanner;

Scanner input = new scanner (system .:n);

int n = input . next int ();

from (int i=0; j chi) c++)

(" by him (link = j= j; lij cen=;) j (+)

il (i==011j==011 i==n-illj==n-1)

system. out. Print ("s"); else

system. out Print ("1").

```
Find the Mith maximum number and Neth
  minimum number in an array and then find
  the sum of literard difference of it.
             sylon. out. Prist (m.
  impost java. util. scanner:
  Public stars min mass
    Public static void main (string [i3 args)
  int wor [] = { 14, 16, 87, 36, 25, 84, 34);
id les javr. lengthing to mateur
   for (int i=0; ic len; i++)
         food (int j = it+; jelen; j++)
it (wer [i] savor [i])
 from MFA , sets in Idaliano
        ind temp = win [i]
             ar [i] = ar [j];
             arr [j] = temp.
```

1 1 m = while winds: 1100 - 018 (2019) int made = over [len_m]; intermin = au [n+1]: system. out. Print (m + "mase in um number. i man to was the summer. system. out. Print ("n"+ r + "minimum ron! int sum: max +min: Q.61:0 state Dill = mase - min: state s:16.9 1 8 system : Oot ? Print ('in Sum + + Som); system. out. Print of in Difference = "1 Diff 3 (++(: not si; ++i = i (+:) 60-3. Write a [] Program to Print the del amount available in the ATN marking with the Conditional opplies.

import jour = [i] were

inport jour = [i] were

```
Public static void main (string [] args)
        scanner input = new Scanner (system . in)
        string sto = input. next Line ();
        chan own [] = new chan [sto.length ()];
         ind len = sto. length ();
         int x=0;
         for (int i = o; i len; i++)
          } comos. I'do . oui, teogmi
            our [:]= sto. Chan At (i);
              i + ( wor [ i] == ()
floopero E3 prints ) nion biou silote
ilai motagas remasystem cont. Print, In 6 Cati is found in
              (a) the team , togristing tal indess: "
                                          (i+i)
             (t+ 1:1: 1: 1: 1: thi) rod
      9 (mi : i > i : 1 = i tri) = of
       if (x = =0)
       system. out. Print ("Character rol found"):
           (O) of tried to o motor 2
```

```
36. Write a Priogram do Print the below
     Patters
    3 3 3 3 5 5 5
     2 2
     import java . util . Scanner;
     Public class Print Pattern
        Public static void main (string [] wigs)}
-) 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. Paint In ();
```

```
for (int i=n-1; i >=1; i--)
         ( bos (int. j=1; j = i; j + +)
              system. out. Print (i);
             system. out. Print In ();
system. but ("tamations number")
     System. out. Paint ('Not Azmatages
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]
                   invest lite out troum
        Scanner input = new Scanner (system in);
        int n = input . next Int();
```

```
while (num 1 ! =0)
       7
         int dem = num 1 % 10;
         our = wim + ( sen * sen * ren);
         num 1= num 1/10;
       notion. out. P. (miss elen) di
          syptem. out. Print ("Asmstrong number")
       else
          system. out. Print ("Not Armstrong
                                      runber"):
       loggen to find whether the a
    3
28. Write a Program do arrange the letter
   of the wood ap alphabe tically in reverse
   odder.
   Pulic static void much (stard I damp
   impost javo. util. sconner;
  import jour. util . Arrays;
  Public class ar
```

```
Public studic void main (string wags [])
        It she worked to me
           scanner inpot = new scanner (system. in);
           string name = input. neart Line ();
           int len = name. length (); tegmi
           chan aun [] = new chan [len ]
           string Alpha;
 represent a constitution i wilet; ittles
(hi. motore) roma arr [i] = name: char At (i);
     String name = input : next Line ();
  orish") Ilfrance of some son son
( "00 I 3 A foo (ind i= len-1; i >=0; i--)
             2 (in) of time . loo instape
                system. out. Print (wer [i]+"").
```

39. Write a Program that accepts a string from user and displays the same string after removing vowels. brom it. clains name = input - next Line 1); impost java util sanner Publica class removing vowels Stains Alpha-5 Public stadic void main (string [Jargs) (i) Sanner inpot = new Scanner (system.in) string name = input. neset Line (); ni= name. reprace All ("Aciou AEIOU"") system. out. Print In (ni) " + (: I ku) time I stoo motope

```
40. Write a Program do Print hollow square
   Pollon Potterns
   impost java. util. Scanner:
   Public class square Dollar pattern
      Public studic void main (string [Jungs)
            impost jour off! samowi
    Scanner input = neu Scanner (system-in)
         int n = input next Int ();
 (1. rater forcinte i =0; i chi; i++); mus
         Lill bis tron. togoisa tri
            (for (int j = 0; - j ch; jet t)
               (i) (i==0(1) j===01) i== n-111j== n-1
                   System. out. Print (" &");
   (1-n==6/11-9/2=i/10==i/10==i) /i
              (" system. out. Print hats (" ");
          system out Print In ()?
```