Java Programmeng.

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Assignment: 04

1. tond the factorial of n?
Import Java VEIT-Scanner;
Public class factorial

Public States vold main (stolog [], aug)

Scamer Papet = new scanner (system ? ?)

Port n= Poput nextInt();

Pot fock=1:

8

3 fort = fact ?

System-out. Polith (nt"factorial: 1" fact);

3

3

&. Write a Brogram to Point the below Pattern

4 9

16 25 36

49 64 81 100

Propor L Java. UEil - Securice );

Public class print Pallers;

Public Static vold main (stoling[], augn

Scapner Paput = now scanner (systom. Pn); Put n=input-nextInt();

```
POE K=1;
   (Pot (Pot P=1) PL=1) it+)
      For (Pat 9=1; 92=9, 9+4)
      System-out Point (kt xt");
     System-out Poth (1)
  3
3
Write a Program to pand the mursber of composite
numbers in an earnay of element.
 Pen port Java Util . Scanner;
Public class composite humber
5
   Public States void main (Stoing [], augs)
    Scanner Prent = new Scanner (1 ystern. in);
    int am []= { 16,118, 27,16,23,21,19};
    int hen = aur-fength;
    int went =0;
    tor (Pat 120; 9 Llen; 18+1)
      int C=0;
      tor ( Pat S=1, 1 (00) 3H)
        9= (aux [i] -1-9===)
     30+ (C12)
      3 Court FF"
      System-out Pointln (Count)
```

```
4 food the 1th odd number after 1 odd number
   Emport Jova- Util Sconners
  Public class oddrumba
    Public states void main (String LJ, ang)
     int n=Pnput-nextIntl);
     constant went towns
     8n+ 9=13
      For ( Pat P=1; PC100; 1+1)
        Pt(60051=0)
        P 02257=93
        } S++>
      3 -976 au -000 - 606 Utto (000 (U/2));
5. Write a Program that find whether a given character
   no bearant du arteindae not
  Proport Java Util-Scorrer;
   Public class character;
   2
     Public States vold main (tringezionel)
     Scanner Popot row Scanner (system-Po)
     Storng Str=Proput-newline();
     Char C= Pro put. next (). Char AL(0);
```

Chan our [] = new chan [ ser, Length ()];

tor (PnfP=0; Plten; Ptt

int hon= str-hongth();

PM= 2 =0;

```
and [E] = sex. Chan. He(1);
  P+ (and [1] == c)
   Systemat. Pointin (ct'is found in stoing at
   P+ (2==0)
  System. out-PoPnt ("cheract en not found)
Write a Program to Pornt the below Paltern.
 2 2
 3 3 3
 4 4 4 4
  3 3 3
  22
Propose Java. Util Scanner;
Public class Point Patters
 Public Static void main (string[], augs)
  Scamer Prout znew Scanner (System Pn);
  int n= input rest Indi;
  (08 (PRE Ф=(; PEnilH)
  { tor ( Par )=1:92=9;9++)
    System.out. Print(1);
   SYSE and out Pornefn();
  tor (Pat 1=n-1; P+=1; P+=1)
    for (Pat 9=1; 92=1; 94)
     JYStomout Point (8);
   35y stem-out-Painthn()
```

5 } }

```
Assam to tand whether the Shren number is
 Howstrond unupos as not.
 Pomport sova . Util Scannor;
  Public class Promstoons
  Publie Statie void main (String(), avogs)
    Scanner input - new scanner (system-in);
    PRET - Input next Int ();
    I've man 1=1,
    int ans=0,
     while (numil =0)
       but sow = von (-170,
       arms arme ( som som som);
       num 1 = num 1 /10;
      if (n== arm)
        System-out Pointh ("Armstrong rumber");
      else
        System out Point ("Not asmstron grumber);
8. Write a Program to arrange the lotter of the work
  alphabetically in roverse order.
  Im Poor Java. Util Scanner;
  Impose Java . Utill Arrays;
  Public clas ak
    Public Static Void main (Storing, angses)
    Storng name=Triput. resaline();
    The lan = name bength ()
    Chan ane Trava Chan Chan [ Chan ];
```

```
String Alpha;
    tor(Pn+ P=0; Pclon; P++);
     an [1] = name char Atch
   Arrays. Sort(ay);
  for cent (= Lan-1; =0; ?--)
    SAStownort bount (on CEStras);
Write a Program that accept a Storing from wer
      display the same storing after removing
Nomars team of.
Amport Java- Util Secumers
Publie class removing vowers
  Public static vold main (string CJ, angs)
   Scanner Popul snew Scarrer (5 y strem. in)
   String name = Proput next line();
   String nizname replaceAll (" Aciou AEIOU,"
   System. out Pointh (n1);
```

```
10. Write a Program to Prink hollow Square Doller
  Pattern?
   import Java- Wil Scanner;
    Public class square bollon Pattern
     Public Static void main (String[] augs)
     Scanner Proput=1000 Scanner (System-Ph);
     Pat n= Paper, roxt Inter;
      10x (9n+ 8=0; 8 Ln; 8+4)
       (4-8: 112:0=8+19) rod
        Pf (P==011 3==011 9=n-1113==n-1)
         System.out. Point ("S");
        0150
          System. out Point (" ");
        3
        System-out Print In();
```