```
Rog No: 192321148
                                   Date: 02/08/2024
                                   Assignment: 05
1. Write a Program to find the sum of digits of Ndigit
  Number I sum should be single digit.
  Proport Java Util-Scanner 1):
   Public class;
     Public static void main (storing [ J. any)
     Scanner Popul = new Scanner Csystems Po
    But well inout just);
     But som=0;
    Mhile(UL=0)
      Pot sem = 17-10;
      Sum -sum from;
      n=n/10)
    system.out. Poln=kn(sum);
I write a Program to find the square root of a perfect
 Square number.
  Proport Sava- Util Sconners;
  class mains
    Public elass ar
     Public States void main (storm of ant)
    Scanner Statingut = new Scanner (system. 9n);
    double n= Proput next Int();
    double Bort = Math. Pow(n(0.5))
    double sq = Math squt (n);
    System. out. Polint In (Sqot+","+"-"+ sqot);
```

Name: SathPsh turnour. R

```
Write a Program for motols mutiplications
Propose Java. Util Scoppes U:
 class mans &
     Public Static void mous (Stoling[J. augs);
     Scanner input = new scanner (system An);
     (MILLIXON, MARGET + 199
     BUF C= BUDOT . WOOT . PUFF)
     int maticicismen for Colici;
     but wats till = won but lasted:
     602 caux 9=0; (52; 1947)
     9 for (Port 9=0; SLC; 9++)
       " WOFI (1) CI) = Subort . Wood Luf ();
for (9049=0, 972, 944)
5
    ( 10 - ( 10 - P-0) 1 C : 3++)
      mot 200297 = PAPUL- reactint();
2
Int sum FILT= new PO+ COJCJ;
for cint 9=0, 85 2; 945
  tors ( Por 3 = 0; 920; 9H)
     Sum [3] C3] =0;
   LOS CHUFK =0, FCC; K+D
    sum [7][3] = SUM(9][3]+1 mat [7][N mat 2(x][9];
    System out. Point (Sum[i][9]+"/+");
 3
Systam.out. Pointfn();
```

```
4. Wilte a Program to Polink invented pyramid fartern.
   Import Java Util. Scanners:
   class meung
      Rubir Statez void main Letting [] (angs);
      Scamer Enputs new Lanner (14 stem. PM);
      BUT WELL WOOTELLIFED!
      tor cine (20) 3/=(1/2-)
      for ( Pat 9=0; 34n-9; 3++)
       system-out Polner" ");
       tor (PAL K=1; KC=1; K++)
         system out . Print("+");
       System-out. Poin EINO;
5- Write a Program to count all the Polme and was posper
   humber number entered by the user.
   Import Joua Veil. Scanner (1)
   Class Mains
       Public Static world main (Storng (Jarge)),
       Scanner Poput znow Scanner ( Systomorph);
       ine ans CJ- 94,54,29,71,7,59,98,233;
       PALEOMEO, POPZOT
      for Ant P=0, Plans. longth; P++)
       Pnt (20)
       for ant 9=1: SLOWN CTJ; SHD
         (0==27-Cis exps)
```

```
J (C)0
    comtt;
  else;
   Polter
system-out prent ("composere number;"+com);
System-out, Point (1. InPolimenumber: "+ Poli);
FRA The MITS MODILIFORM NUMBER and 11th MPAPMUME MURADON
in an array and then find the scen of Pt and difference
 Proposot Zava. Util -Scanner O.
 class round
    Public class static voldinain ( storng [], augs
 Scanner Popul= now seamer (system, PM);
 THE OWN CJ= & 14(16) 87(36,25,89(343);
 Put hen zom-length;
   to a caut 6=026 Con; 1408
      Gor cent 8= i ti, 8c len istos
         PS (COM C? J YOM C93) {
            Put four = on( b];
             MACPJ = arrally
            an Lite temps
ent m=1.,n=3;
Pat mosczanicen-m);
Preminzan Cn-0;
system-out post (mt mook immunion pampers = " + mook);
SAREW-OUR DALUE ("/", tut, will wonen masses = " twoll);
Por som=more min;
I'm Diff wood - will;
System-out, Poln + (° In Sum = "+ sura))
System. out-Portit ("In: Difference = "+Diff);
```

I Write a Program to Polac the Lotor the amount availble Pr the Arm madfine with the conditions applied. Proport Jana VEII, Scannersi Public Static void mais (Stoingring) Class roun & Scanner Pout rows scanner (system in); Port 11+500, d1=4,172=100 1d2=20, 173=200, d3=32, 174-200910/4 Pat Total = (n/td1) + (n2td2)+(n3\*d3)+(n4\*d 4); System-out, Pornt ("Total Abiliable Balance in ATM"+86 & write a program with g chope to Check. Propost some util- scanners; class marsh Public Statere vord main (Jeofn g CJ, augs); Beanner Popul = new scanner (System in): Storng Szen; Por ven = SI-length(); for (?n+?=1en-1;?>=0;?--) 82=52 +51-ChanAt (9; Pf (S(, equals (S1))

System. out: Print ("Palindrone");
else

Onth + ("Not Palindro system-out, Poth & ("Not Palandoome"); RESIDE OF LOUIS DUPLE OF LOTHER COURSE

```
I white a poogram to convert pecimal member equivalent
  to Brnary number and octal numbers?
    whose zond off commer.
    class mars f
        Public states world many (stronges, angs)
    Scanner Proper = newseamer (system-Pn);
   Pn+ de (215)
    seafing bin-Integer. Lo Brany String (de);
   Storing OCK = Integer- to Octob Storing (dec);
    System.out. PortIn (Brown number = "+691);
    Asten. ont. begur ("Octal mamp or 1 poct);
to In an organization they accide to give bonus to all the comployer on New Year. A 5-1 bonus on savient Psafron to the transmitted on New Year. A 5-1 bonus on savient psafron
   to the grade A worker and 100% bonus on salary to the grade
   Buostors write a Program to enter the Salary and grown
   of the amployee. If the salary of the amployeds loss than 10,000
   then the cropplogue gots an extra 21. bonus on salary colabote
   the bon us that how to be Then wolke employed and
   Poline the salary that the employee will get.
   Propost Jona Util - Scarrer D;
    Class roain ?
      Public static void mais (sitsing (1, angs);
    sonrer Poput = recoscanner (systemin);
    Phearb;
    double bohus=0;
    system-out. Polint ("Enter the grade of the employee.")
    char at = "hput. rextl). CharAlo);
    Systemout. Post ( renter the salary of employee it)
   PAT bleinput, reset Intel;
```

9 borns = b(\* (0.05); Pt(PICKOD) g bonus -bonas +61 + (002); Systemout Porntin ( "Salary = "+ b1); System out point in ("bonus="+bonus); System-out-Porhtrn ("total to be Paid ="+(b)+bomes))> 3 ele Pf (a1==1B') bonus = 6( 10 - 1); 6+ (PIT10000) bonus = bonustb( \* (0.02); System-out Porntin("Salary="+61)" System-out-Porthern ("bonus=+bonus); system-out. Poport in ("total to be paid ="+(b) +bones)) Elle & System. out Point ("Enter valid grade");