JAVA PROGRAMMING.

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ASSIGNMENT NO: 5

1. Walte a Paragram to count all the Palme and composite numbers entered by the uses.

impost sona util. Scannes: Public closs Poure composite number ?

Public Static Void main (String (Jargs)

int com=0. Poi=0:

(nt com=0. Poi=0:

(nt i=0:12 coon . Jength: 1+1)

(100 - 2) (100 - 2) (100 - 2) (100 - 2) (100 - 2) (100 - 2) (100 - 2) (100 - 2) (100 - 2) (100 - 2) (100 - 2)

3 (4)

com++:

esse

Poütt:

3 System. Out. Pour (" Composite number: " pris: Bystem. Out. Pour (" /n Poure number: " Pris:

3

3

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2. Find the 19th maximum rumber and 19th
  minimum number in an array and then
  find the Sum of it and difference of it.
  import Sava-util. Scanner:
  Public Class minman
  5
    Public Static void main (Strange Jargs)
    int ant J= 814, 16, 87, 36, 25, 89, 343;
    ile Teu = one Teuden:
     (++1: nal 1:00; (++)
        for lint 3=1+1:32 den:3++2
           ([1] row < [1] row +i
              : [1] raco = 9m9+ to 19
              : CiJ row = [ ] row
              con LiJ = temp:
          3
        2
         :18=101=8;
         : [m- nex = arx [ sen -m]:
         :[1-17:00 = nin +1]:
         system. Out. Print (m+" marinum rumber
                                 : (man):
         3 ystem. out. Parist ("n"+n+" minanum number
                                           + weuz.
          int Sum=max+min:
          ina DiBB = max - min:
          System. Out - Point ('In sum = + Sum):
          System. Out. Pount ("In Difference="+ Diff):
```

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3. Write a program to print the total
 amount available in the ATH machine
 with the conditions applied.
 impost java util. Sammer:
  Public Closs ATMMacrine
    Public Static void main (String[ Jangs)
      int n= 500 di= 12 12=100 d2=20-12=200
               d8=32, NH = 2000, dH =1:
       CUH * GHD:
       System. Out. Print ('TOtal Available
              Balance in ATM: "+ Total):
to write a program using choice to
  Check whether the given number is
  Parindrenne 02 not.
  Impost Sava util Scanner:
   Public closs Polindrome.
   8
     Public 8todic Void main (stering[]args)
       Storing SI = "MADAM":
       Storing 82 = ":
       " nt len = 31. Length ():
       for line ?= den-1: 1>=0:1-1)
         S2 = 82+81. CharAt ():
```

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?4 (81. eauals (825)
          3 ysten. Out. Print ("Polindrome").
       else
          : Comarbielle 7011 / trise q. two-mestry &
   3
5 write a program to convert Decianal
  unuper éanisalent to Birond unuper
  and odal numbers?
  impost java. util. Scarrer:
  Public convertelectual to Binary and odal
  3
    Public Static Void main (Staring[Jangs)
       int dec = 15;
       Storing Din = Integer . to Binary Storing (dec):
       String Oct = Integer. to Octob String (dec):
       : (hid + = redmun present (n ("Binary number = "bin):
       3ystem. Out. Print ("Octor number="+ Oct).
     3
```

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6. write a Program to entry the
  Salary and grade of the employee.
  impost sava util scanner:
  Public class company
  8
     Public Static Void main (8+sing[]orgs)
       :0= round stduop
        System. Out. Paint ("Enter the grade of
                          the employee: ):
        Chan al = input: next (). ChanAt(0):
        System. Out. print ("Enter the Bolony of
                                 : C: sayalams
        : ( ) + 1 = the man = 10 +11?
        1+ (a1 == 'A')
           : (0.05) * 1d = runod
            ( 4 CD1 210000)
              pours = pours +p1 * (0-05).
            System - Out. printin ("8 alary = "+ bi);
            System. Out. prient In ("bonus = "+ bonus):
            System-out. Println ("total to be
                            Paid = "4(101+ borus)):
          esse if (a1=='B')
             = (1.0) "1d= wood
             it (p1 = 10000)
```

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bonus = bonus + 01 * (0.02);
        4
        System-out-pointin ("Salary="+bi):
        System. out. Pourt in ('bonus = "+ bonus:
        System-out. Pountin l'total to be Paid:
                            : (Coursed +1d)
      ense
        System. Out Print ('Enter Valid grade').
      3
   2
7. Write a program to print the fort A
  n perfect numbers.
  Pimpost joura util- Scanner:
    Public class Perfect rumber
    3
       Public Static void main (Staing[] orgs)
        3
          Scarner input = new Scanner (System. in).
          : (1) to I to an it to an is a to is
            int Sum = 0. Femp=0:
             for cint 3=233 <= 1000: 3++)
                CAMBASU ) 75
                   Sum = 1 :
                for Cint = 2: 12:1++)
```

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(0==1,00) 29
              Sum = Sum +i:
         9+ ( Sum == 3)
             3 ystem. out. Point (it" "):
              Fewb= Fewb+1;
           3
        3
      4
   24
8. Write a program to print the Bost of
  Perfect numbers.
  insonal liturari tragmi
 Public class Perfect numbers
 8
    Public Static void main (Stange Jags)
     3
        Scanner Enput = new Scanner (System. in):
        : C) to I to 30. tugn = n tois
          int Sum=0, temp=0:
           for (int == 2:12=1000: 1++)
           5
              (Amstemp)
                 3um=1:
               for (int 8=2:163:14+)
                  Co== 90,277
                     Sum = Sum+1:
```

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f (sum = = 3)
                                             System - out . Point (3+" "):
                                              temp=temp+1:
                                  3
                2
write a program to enter the marks of a
 Student in Gow Subjects.
 "THE HALL KILLY KEEKS TO SHE OF THE BEST OF THE STATE OF 
 impost joura util. Scannes:
 Public Clars Student
                 Public Static void main (Storing [Jargs)
                  5
                              int a1 = 90:
                                 int az = a1;
                                   int a8 = 92;
                                    "IN QH = 93:
                                     : (40 + 80+20 + 10) = lotos tri
                                       that agg = total H+:
                                        System. Out. Posith (total):
                                       System. Out. Pointh (099):
                                         (27<pp) 49
                                                       System. Out. Pount In ("DISTINCTION).
                                            esse :4 (age>=60 81 & agg 275)
                                                       System. Out. Point In (" First
                                                                                                                                                                         Division "J.
```

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else it cagg>= 40 &800gg 250)
          System-out. Poeith ("Third Divison").
       else
         System.out. Pourt In (" Fail"):
o write a program to calculate tax given
 rumber.
 impost java utilo scames:
 Public class calculaterax
  S
    Public Static Void moin (Storing Dangs)
       Scanner input=new Scanner (3ystem:in):
       · CO ATT Exer - tugui = smasni Ais
       float tax:
        (+ (:ncome L = 150000)
          : ("xot ou") Whire g. to . massy &
        else & (income>=150001 && income <=30000)
        RAJER
           System-out-println ("Tax="+ income lod:
         erse & (income > = 300001 && income <=
            By stem. out. Point In ("Tax="+ income 120)
          evse
            : (OElamoni +"= xxoT") nitrise q . two . massers
     4
```