Assignment - 4

1.) write a program to count all the prime and comparish numbers entered by the user.

system. out point ("composite number: "+ com); system. out point In ("In prime number: "+ pri);

2.) Find the Mth maximum number and Nth minimum number and Nth minimum

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inf con [] = {14,16,87,36,25,89,343;

Jul lan = and , length;

+or (inf i=0; i< len; i++) {

+or (inf j=1+1; j< len; j++) }

if (and [] > and [j]) {

inf temp = and [i];

ard [i] = and [i];
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aro [ i ] = Lemps
          and m=1, h=3;
         int max=asor[Len-m];
         ind non = 000 [n-1];
       Bystom. But point (m+" maximum number ="+max);
       ssystem. Out-print ("In" +n+" mrimum humber =" +min);
        int sun-max+min;
        ant diff = max-ming
       System.out. print ("In sum ="+8un);
       system. out. print ("In Dilferono ="+ DFB);
 3) write a program to print the total amount available
   in the ATM machine with the conditions applied.
  She n1=500, d1=4, n2=100, d2=20, h3=200, d3=32, n4=2000, d4=1;
  int total = (n1*d1)+(n2*d2)+(n3*d3)+(n4*d4);
 System. Out. point ("tokal Ausilable balance in ATM: "+ Tokal);
4.) Write a program using choice to check
       Stown 51 = "MADAM";
       String 82 = " ";
       ind len= 81. longth ();
       For (int i=len-1; i>=0; i--)
          82=82+S1. Charal (i);
       $ (s1. equals (s2))
           system. Out. print ("palindrome");
          Bysten, out. print (" Not palindrone");
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5) Write a program to convert Daimal number equival
 to binary number and ordal numbers?
    int da = 15;
   String bin = Integer . to binarysbring (dec);
   stong och = Inleger. to ochalstring (dec);
   Bystem. out. print h ("Binary humber = "+bin);
  Byslem. out print ("octal number ="+ oct);
6.) In an organization they decide to given bonus to all
the employees on New year. A 5% hons on Salary 10%.
 If the salary of the employee is less than $10,000,
  gets 21. bonus.
  Scanner inpul=new scanner (system. in);
     int a , b;
    else if (a1 == 'B')
    bonus = b1 *(0.1);
     if (12220000)
       bonus = bonus + 61 + (0.02);
    system. out. println ("salony = "+b1);
    cystem o out . pointln ("bonus = "+ honus);
   System. out. pointInl'total to be paid="+(b1+ somus);
  gelse &
   System. out. print ("Enter walid grade");
```

ilable

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7) While is progress to per
7.) Write a program to point the first o perfect numbers.
      Scanner inpul=new scanner (system in);
       Int n= input . next Int();
       ant Sum=0, tempo;
        For (ind j=2; j2=1000; ++)
          if (ny temp)
            Swm =1;
         For (ind = 2; 123; 1++)
         をは(ずべき==6)
             Sum=Sum+i;
         if (Sum == j)
        & system. Bul. print(j+"1);
           temp=temp+1;
8) Write a program to paint the first a perfect numbers.
       int at = 90;
       int a2 = 91
       "he a3 = 923
       inta4 = 43;
    int total = ( or + a2 + a3 + a4);
     blook agg = Lotal 14 f;
      System. out. print in (202al.)
      system : out : print in (oga);
      il (agg 775)
        · system . out. print (" distinction);
     else if logg)=60 × agg 275)
     System out print in l' first Division");
    Obe if (agg > 40. agg 250)
System. Out. Paint h ("Trivid distion)
   "System. Old o point 1/1 500)";
```

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a.) write a program to calculate low given the following
7) (
         conditions
           Scarner input = New Scanner (system in);
7.) Wb
           int Excome = input. Neach Input ();
           fleat toxi
             if (income 2 = 15000)
           System - But . point in ( Tox " + income /10);
           dro of (sucome >= 30000 Sucome L= 50000)
          Syllem. Out. point whin (" Tax = " + income " 30);
         system - out - point In ("Torce = " + Shoome 1 90;
    a for execum est refre at margard a strew Cat
     Standards in four Subjects.
       Sal a1 = 90;
       int a1 = 91;
       Sut as = 92;
       int Q4 = 935
       Sht total = (a1+a2+a3+a4);
        float agg = total 14 f;
 8
       dyslem. Bul. point in (total);
       system . out . point /n (agg);
        $ (agg 76)
       system. out - point in ("Distinction");
       else of (agg >= 50 " agg 2 75)
          38them . out . point in (" First Diwision");
       elsegyslam (agg = 60 " agg 2+5)
        aystern. Out. paint in ("second Division);
       else if (agg >= 400 agg 250)
      System. out. point in ("third dission");
     else system. out. print in ("Fail");
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