	sort the st	-	-	_		
Progra	m:					

```
1. Write a java program to sort the string in
  ascending or descending order Choice get from
   import java. uHl. arrays;
   class sort
      public static void main ( string[] args)
          string str, option;
          Scanner s=new Scanner ( System.in)
          System. out. println ("Enter a string:");
          str = s. neutline();
          String[] data = strl . spl; t(" ");
          Systm. out. println (" Order A(D:");
          option: s. nextline ();
          switch (option)
          1 cose"A":
             Arrays. sort (data);
            for (string output. data)
             Case " D";
              Arrays. Sort (data, collection: reverse Order());
             for (shing output data)
             default:
             system.out. printla ("chooce the conrect option");
```

output:

2.

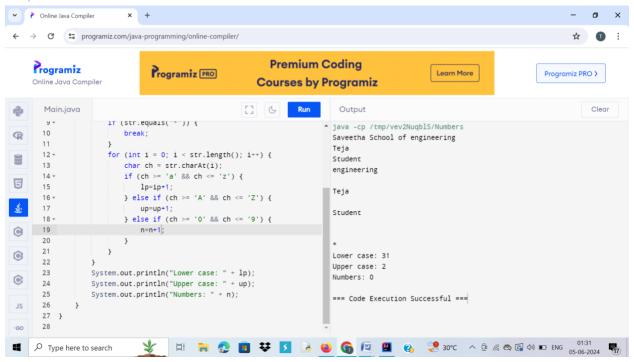
```
2. Write a jova program to read the numbers with!

-I encounted. Find the average of positive numbers
     and negative numbers. Entered by user.
     Class numbers
        public static void main (string args [])
            int [] data= new int[so];
            Scanner s = new Scanner (System.in);
            for (120; ic 50; i++)
            inta;
               a= s. nent Int();
               azz - 1;
               if (a== 1)
                  break;
               else
                 Bata [i] = a:
           int pc=0, ps=0, pa=0, nc=0, ns=0, na=0.
          for (i=0; i< data. length(); i++)
          if (data[i] < 0)
           I ns=ns+data[i];
             ync++;
            else
              ps = ps + data [i];
            pa = ps/pc;
```

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```
System. out. println("The pa"+pa);
           System. out. println ("Thena" + na);
     4
    Write a java program to read a character until x is
3.
     encounted also count the number of up case and loner
     case and Numbers entered by the user.
    class numbers
    L public stotic void main (string args[])
         char[] data= newLine() char[25];
          String str;
          int upslp, n;
          for ( ;= 0; i < 25; i++)
             Str = s. next Line ();
            Str== *;
            if (str== *)
              break ;
             data Cijostr;
      for Ci=0; i<str.length()-1; i++)
         if (Str. CharAL(i)>'a' a& str. charAL(i) & 'z')
            up=up+1;
```

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4.

```
else if (st. char Atci) = 'A' & & st. char At (i) < 'z')
               1P=1p+1;
           else
              n=n+1;
          System. out. println ("lower case:"+1P);
         System. out. println ("upper case: "+up);
          System. out. println ("numbers: "+ n);
4. Write a java program to find mth maximum number
    and nth minimum number in an array and find
    the sum and difference of it.
   Class sorting
   1 public static void main (string args[])
         int n,m, size , Sum = 0, diff = 0;
         Scanner S=ncw Scanner (System.in);
         System.out. print In (" Enter the size of the array: ");
         Size = 10;
         int [] data = new Int [ size]:
        for (1=0; ic size; i++)
           data Eij = S. nent Int();
      for (120; 1< size; 1++)
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```

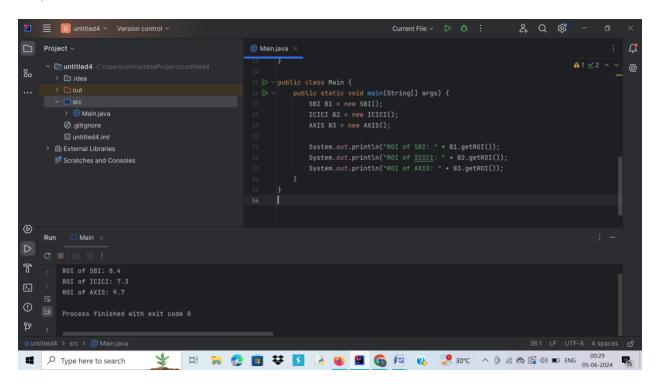
```
for (j=i+1; j < size; j++)
    r int temp=0;
        if (data Ei] > data [j])
          temp = data [i];
          datacij = data [j];
        y data [j] : temp;
   Sum=data[(size-1)-(m-1)]+ data[n-1];
    diff = data [ (size-1) - (m-1)] - dato [n-1];
    System. out. println (" sum: "+sum);
    System. out. println ("Diff: "+ diff);
Bank is the class that provides method to get rate of
interest. but rate of interest may differ according to
banks. SBI is providing 8.4%, ICICI provides 7.3 percentage
 and Axis banks 9.7% of rate of interest. Write a java
program for above scenario.
  Class bank
 double get ROS();
 class SBI extends bank
  double get ROIC)
```

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```
for (j=i+1; j < size; j++)
    r int temp=0;
        if (data Ei] > data [j])
          temp = data [i];
          datacij = data [j];
        y data [j] : temp;
   Sum=data[(size-1)-(m-1)]+ data[n-1];
    diff = data [ (size-1) - (m-1)] - dato [n-1];
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 double get ROS();
 class SBI extends bank
  double get ROIC)
```

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```
return 8.4;
  Class ICICI extends bank
     double get ROI()
       return 7.3;
  Class Axis extends bank
   double get ROICI
Class main
  public static void main (string args[])
     SBI BIENEW SBICK
    ICICI BLE NOW ICICIO;
    Axis B32 New Axis ();
    System. out. pintln(" ROI SBI" + BI get ( OI ());
    System.out. println ("ROS ICICI"+ B2 get ICICIC);
   System. out. println ("ROI Axis" + B3 get Axis()).
```



```
Implement on Write a Jaka program for student.
 total using constructor.
 Class student
     int mi, mz, tot;
     Student (int marks, int marks)
          m1=mark1
          m2 = marke
     class tot extends student
        tot = m1+ m2
         Void displayer
           System.out. println (" Total: "+tot);
      Class main
       public static void main (string args [])
           tot t ( 80,100);
           t. display();
```

```
| Substitute | Sub
```

```
which converts roman nume-
  7. Write a java program
       ricals into integers
      import java.util. *;
      class roman
        public static void main (string args[])
           String str;
          int length, final;
           Scanner SE new Scanner (Systemin);
           System-out. print In ("Enter noman numericals:");
           Str = s. next Line ();
           final = 0;
           length = str. length();
          for (int i=0; i< length; i++)
           char cha str. char At (1);
            char next che str. char At(i+1);
             if (ch=='M')
               final += 1000;
            else if (ch== 'c')
              if (neutch = = 'M')
              y final += 900;
            else if (next ch=='n')
                system, out print In (" Invalid roman numerical");
realme Shot on realme 10 Pro+ 5G 108MP"+ final);
```

