7) First n perfect Numbers public class perfect Numbers & public static void main (string (1 orgs) { int n=\$3, sum=0, temp=0; for (Int j= 2 ; j <=1000; j++) { if (n>temp) { sum = 1; for (ent i=2 ; i<j; i++) { if (j%i ==0){ sum= sum+i. ef (sum==j) { System.out. print (j+ "). temp: temp+1 8) Aggregation Aggregation { public static void main (string () args) { int a1=90, a2=91, a3=92, a4=93; int total = (a1 + a2 + a3 + a4); froat agg = total/uf; System.out point In ("total); System.out. println (agg); if (agg > 75) Systemout. println ("DISTINCTION"); else it (agg >= 60 & & agg < 75) Systemout. println ("Ist division); else if (agg >=50 & & agg < 60) { System out print In (" 2nd Division); System.out, printer (" Lati Pail"); 3

```
public class Tax &
       public static void main ( static !
                 ind income = 200 000;
                float tax;
                it (income <= 150000) {
                         System.out. println ("No Tax") &
                3
                else if (income >=150001 & l'income <= 300000)
                          System.oud. println (income/10);
               else &
                         System.out. pointln (income / 15);
              3
       J
    Multiplication
10)
    public class multiplication {
             public static void main (string[? asgs) {
                      int m=4, n=5;
                     for (int izi; i <=n; i++) {
                              System.out.println(i+"X"+M+"=",(ixm));
```

```
11) Average
         class Average ?
                Motic void main ( aring (1 sogs) &
 public
         public
                 int 1=0, j=0, n=0, SI=0, SI=0;
                 int passum=0, negsum=0;
                 while (n[==1) 1
                       n = input. nextLine ();
                       if (n==-1) {
                            break;
                     if (n70) {
                           i++;
                          si = sitn;
                     else i
                         j++;
                        S2=52+n;
                   3
               System.out, println(i + j);
               double ag. pos = (si/i);
               double neg = 52/j;
               System out println ("et pos");
              System.out. println (neg);
     1
```

```
public Matic void main (String 11 args) ?
                  Scanner input : new Scanner (System.in);
                  char = '0';
                  int lower =0, upper=0, digit=0;
                 while (c!= '*') &
                         C=linput.next(), charAt(0);
                        if ( c>=65 && cc=90)
                               upper = upper +1;
                         elseif (C>=95 & & C <=122)
                                lower = lower+1;
                        else if (C>=48 & 2 C <=57) }
                       digit digit +1;
                System out print ( "Lower: "+ lower);
                System-out parint ( Upper: "+ upper + Digit: "+ digit);
        1
  Factorial
public class factorial &
      public static void main ( String[] args) {
              int n= 5, fact = 1;
            for c int p i= ( i <= n; i++)
                          fact = i;
            System.out. porintln ("Factorial: "+ fact);
```

(2) Case Sensitive

public class Case Sens itive ?

```
M) Nth Largest
 public clan Largest &
           public static void main ( String [ ] ango) {
                          ind all = {14, 67, 48, 23, 5, 625.
                         int len = a. length;
                        Arrays, sort (a);
                        int N=4;
                       Systemout. print (a[len-N]);
 public class Birary &
             public static void main (String [) args) ¿
                       int dec = Integer. parse Int (bin, 2);
                      String oct - Integer. to Octal Storing (dec);
                     Systemout printly ("Decimal + dec + "octal", oct);
            3
 3
     Duplicates
  public class Duplicates &
          public static void main (String [] args) {
                     int a [] = [10,20,20,30,40,40,50];
                    int n= a. length();
                    for (inti=o; icn; it +) {
                           for (int j=i+1; j <n; j++){
                                  if (a (i) = = a (j)) {
                                        a [K]= a [K+1];
                                 n - - ;
                          3
```

```
forcintico: icn;i++) }
                      System-out. point (ali) + "");
             1
   3
17)
        class Bank &
               float get ROIZ
                         neturn o;
      class SBI
                  extends Bank &
                  float getROI &
                         return 8,4f;
     class ICICI extends Bank {
                float getROI {
                       neturn 8.4f;
    3
   public class ax &
           public com static void main (string () args) {
                       Bank b;
                      be new SBI();
                     System-out, println ("b, get ROI(1));
```