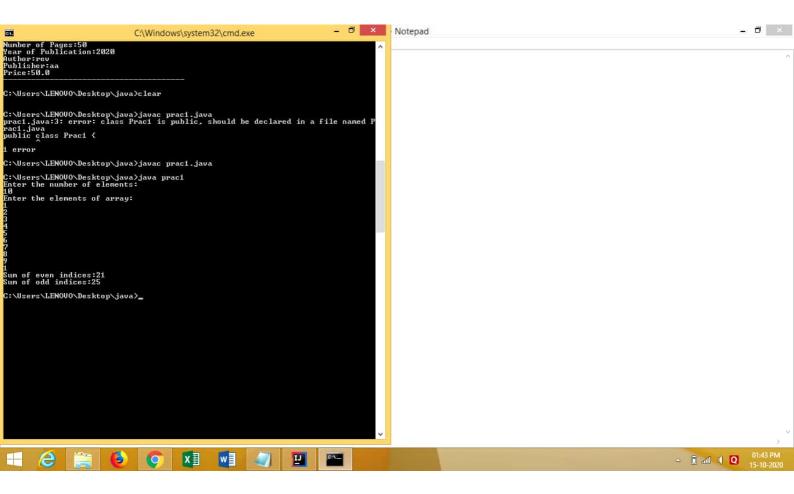
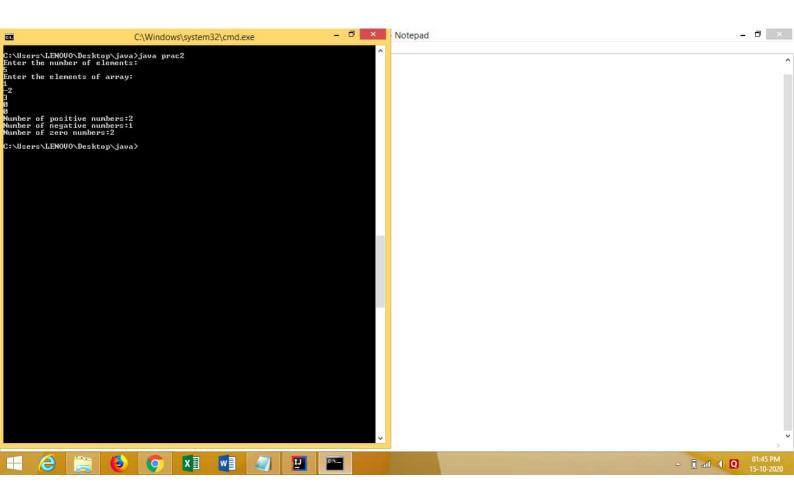
```
prac1 - Notepad
File Edit Format View Help
import java.util.Scanner;
public class prac1 {
     public static void main(String[] args) {
          int n;
Scanner sc = new Scanner(System.in);
System.out.println("Enter the number of elements:");
          n = sc.nextInt();
          int [] arr;
arr = new int[n];
System.out.println("Enter the elements of array:");
           for(int i=0;i<n;i++)
               arr[i]=sc.nextInt();
          int sum_even = 0;
          int sum_odd = 0;
          for(int i=0;i<n;i++)
               if(i%2!=0)
                    sum_even += arr[i];
               else
                    sum_odd += arr[i];
          System.out.println("Sum of even indices:"+sum_even);
System.out.println("Sum of odd indices:"+sum_odd);
                                                                                                                                                                                      - □ aid ■ Q 01:43 PM
```

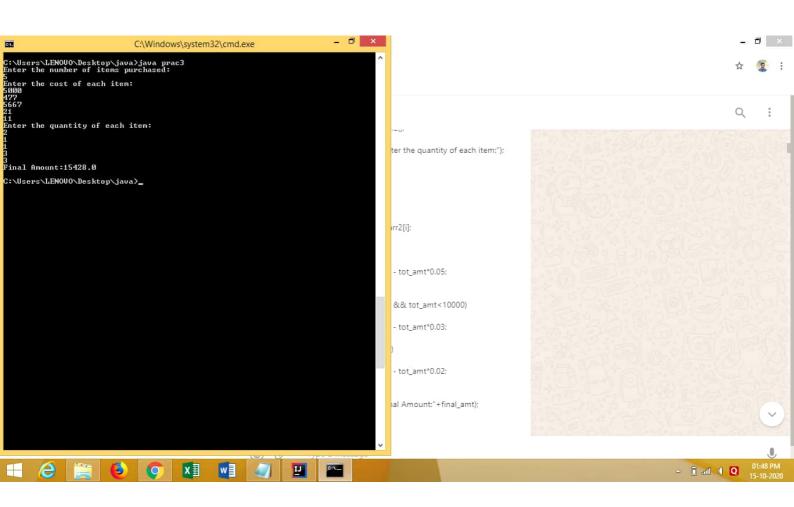


```
prac2 - Notepad
File Edit Format View Help
import java.util.Scanner;
public class prac2 {
      public static void main(String[] args) {
           int n;
Scanner sc = new Scanner(System.in);
System.out.println("Enter the number of elements:");
            n = sc.nextInt();
           int [] arr;
arr = new int[n];
System.out.println("Enter the elements of array:");
            for(int i=0;i<n;i++)
                 arr[i]=sc.nextInt();
           int pos = 0;
           int neg = 0;
int zer = 0;
           for(int i=0;i<n;i++)
                 if(arr[i] > 0)
                 pos ++;
else if(arr[i] < 0)
                      neg ++;
                 else
                       zer++;
           System.out.println("Number of positive numbers:"+pos);
System.out.println("Number of negative numbers:"+neg);
System.out.println("Number of zero numbers:"+zer);
     }
                                                                                                                                                                                                              △ 🗊 aid. ( Q 01:45 PM
```



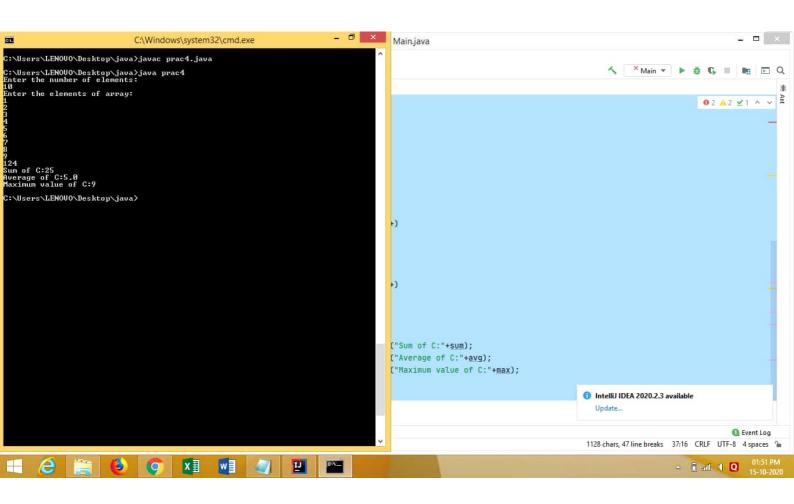
```
prac3 - Notepad
File Edit Format View Help
import java.util.Scanner;
public class prac3 {
      public static void main(String[] args) {
           int n;
Scanner sc = new Scanner(System.in);
System.out.println("Enter the number of items purchased:");
           n = sc.nextInt();
int [] arr1;
double [] arr2;
arr1 = new int[n];
arr2 = new double[n];
           double tot_amt = 0.0;
double final_amt = 0.0;
System.out.println("Enter the cost of each item:");
for(int i=0;i<n;i++)</pre>
                 arr2[i]=sc.nextDouble();
           .
System.out.println("Enter the quantity of each item:");
for(int i=0;i<n;i++)
                 arr1[i]=sc.nextInt();
            for(int i=0;i<n;i++)
                 tot_amt += arr1[i]*arr2[i];
            if(tot_amt>=10000)
                 final_amt = tot_amt - tot_amt*0.05;
            else if(tot_amt>=7500 && tot_amt<10000)
                                                                                                                                                                                                          △ 🗓 aid. ( Q 01:48 PM
```

```
prac3 - Notepad
File Edit Format View Help
        arr1 = new int[n];
arr2 = new double[n];
double tot_amt = 0.0;
double final_amt = 0.0;
        System.out.println("Enter the cost of each item:"); for(int i=0;i<n;i++)
            arr2[i]=sc.nextDouble();
        arr1[i]=sc.nextInt();
         for(int i=0;i<n;i++)
            tot_amt += arr1[i]*arr2[i];
        if(tot_amt>=10000)
            final_amt = tot_amt - tot_amt*0.05;
        else if(tot_amt>=7500 && tot_amt<10000)
            final_amt = tot_amt - tot_amt*0.03;
        else if(tot_amt>=5000)
            final_amt = tot_amt - tot_amt*0.02;
        System.out.println("Final Amount:"+final_amt);
                                                                                                                                                          → ii aid ( Q 01:48 Ph
```



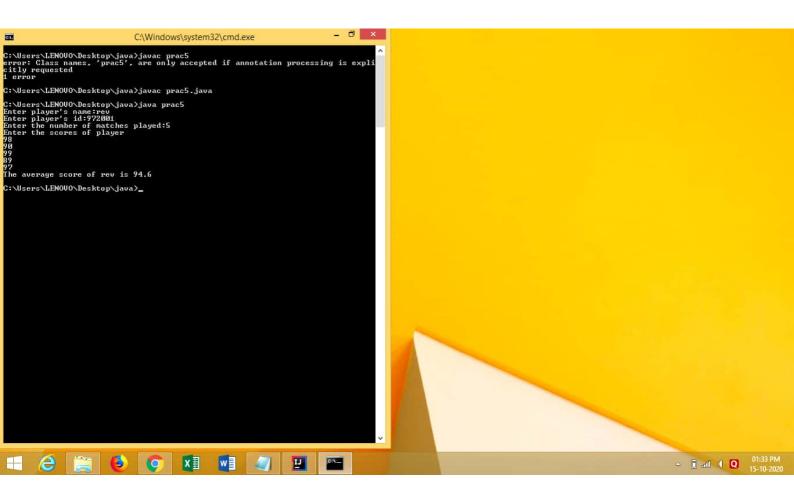
```
prac4 - Notepad
File Edit Format View Help
import java.util.Scanner;
public class prac4 {
       public static void main(String[] args) {
              int n;
Scanner sc = new Scanner(System.in);
System.out.println("Enter the number of elements:");
              System.out.println("Enter the number of elements:");
n = sc.nextInt();
int [] a;
int [] b;
int [] c;
a = new int[n];
b = new int[n];
c = new int[n];
int k=0,h=0;
System.out.println("Enter the elements of array:");
for(int i=0:icn:i++)
               for(int i=0;i<n;i++)
                     a[i]=sc.nextInt();
if(a[i]%2==0) {
    c[k] = a[i];
                             k++;
                     else{
    b[h]=a[i];
    h++;
                     }
              int sum=0;
double avg = 0.0;
int max = -9999;
               for(int i=0;i<h;i++)
                      sum += b[i];
                                                                                                                                                                                                                                                                      - 1 atl Q 01:51 PM
```

```
prac4 - Notepad
File Edit Format View Help
            a = new int[n];
            b = new int[n];
            c = new int[n];
            int k=0,h=0;
            System.out.println("Enter the elements of array:"); for(int i=0;i<n;i++)
                  a[i]=sc.nextInt();
                  if(a[i]%2==0) {
 c[k] = a[i];
                        k++;
                        b[h]=a[i];
                        h++;
                 }
            double avg = 0.0;
int max = -9999;
for(int i=0;i<h;i++)</pre>
                  sum += b[i];
            avg = (sum*1.0)/k;
for(int i=0;i<h;i++)
                  if(b[i]>max)
                        max=b[i];
            System.out.println("Sum of C:"+sum);
System.out.println("Average of C:"+avg);
System.out.println("Maximum value of C:"+max);
                                                                                                                                                                                                                           △ 🖟 and ଏ Q 01:51 PM 15-10-2020
```



```
prac5 - Notepad
File Edit Format View Help
import java.util.Scanner;
class Player
    String id;
    String name;
int [] scores;
    int no_matches_played;
    int sum = 0;
double avg = 0.0;
    public Player(String id, String name, int[] scores, int no_matches_played) {
   this.id = id;
   this.name = name;
   this.scores = scores;
         this.no_matches_played = no_matches_played;
    void cal_avg()
         for(int i=0;i<scores.length;i++)
             sum += scores[i];
         avg = sum*1.0/no_matches_played;
    void dis_avg()
         System.out.println("The average score of "+ name + " is " +avg);
public class prac5
    public static void main(String args[])
```

```
prac5 - Notepad
File Edit Format View Help
      void dis_avg()
            System.out.println("The average score of "+ name + " is " +avg);
public class prac5
{
      public static void main(String args[])
            String id;
            String name;
int [] scores;
int no_matches_played;
            Scanner sc = new Scanner(System.in);
            System.out.print("Enter player's name:");
            name = sc.nextLine();
System.out.print("Enter player's id:");
            System.out.print("Enter player's id:");
id = sc.nextLine();
System.out.print("Enter the number of matches played:");
no_matches_played = sc.nextInt();
scores = new int[no_matches_played];
System.out.println("Enter the scores of player");
for(int i=0;i<no_matches_played;i++)</pre>
                  int number = sc.nextInt();
scores[i] = number;
            Player p = new Player(id,name,scores,no_matches_played);
            p.cal_avg();
            p.dis_avg();
                                                                                                                                                                                                                                    → 🗓 and ( Q 01:33 PM
```



```
prac6 - Notepad
File Edit Format View Help
import java.util.Scanner;
class Book
     private String book_id;
private String book_title;
private int no_of_pages;
     private int year_of_pub;
     private String author;
     private String publisher;
private double price;
     public Book(String book_id, String book_title, int no_of_pages, int year_of_pub, String author, String publisher, double price) {
          this.book_id = book_id;
          this.book_title = book_title;
this.book_title = book_title;
this.no_of_pages = no_of_pages;
this.year_of_pub = year_of_pub;
this.author = author;
          this.publisher = publisher;
          this.price = price;
     public String getBook_title() {
          return book_title;
     public int getNo_of_pages() {
          return no_of_pages;
     public String getAuthor() {
    return author;
     public double getPrice() {
          return price;
```

```
prac6 - Notepad
File Edit Format View Help
      }
      public int getYear_of_pub() {
            return year_of_pub;
      void display()
      {
            }
public class prac6 {
      public static void main(String args[]) {
    String book_id;
    String book_title;
             int no_of_pages;
             int year_of_pub;
            int year_of_pub;
String author;
String publisher;
double price;
Scanner sc = new Scanner(System.in);
Book [] b = new Book[3];
for(int i=0;ix3;i++) {
    System.out.print("Enter book id:");
    book_id = sc.nextLine();
    System.out.print("Enter book title:");
    book title = sc.nextLine():
                   book title = sc.nextLine();
System.out.print("Enter the number of pages of book:");
                   no_of_pages = sc.nextInt();
                                                                                                                                                                                                                                         → 🗓 and ( Q 01:38 PM
```

```
prac6 - Notepad
File Edit Format View Help
              book_title = sc.nextLine();
System.out.print("Enter the number of pages of book:");
no_of_pages = sc.nextInt();
               System.out.print("Enter the year of publication:");
               year_of_pub = sc.nextInt();
               sc.nextLine();
               System.out.print("Enter author's name:");
               author = sc.nextLine();
               System.out.print("Enter publisher's name:");
              publisher = sc.nextLine();
System.out.print("Enter price of book:");
price = sc.nextDouble();
               sc.nextLine();
              b[i] = new Book(book_id, book_title, no_of_pages, year_of_pub, author, publisher, price);
System.out.println("-----");
          for(int i=0;i<3;i++)
              b[i].display();
          System.out.println("Enter the author's name to display details:");
          String check_author = sc.nextLine();
for(int i=0;i<3;i++)
              if(check_author == b[i].getAuthor())
b[i].display();
          double max = -999.00;
          for(int i=0;i<3;i++)
               if(b[i].getPrice()>max)
                    max = b[i].getPrice();
          for(int i=0;i<3;i++)
                                                                                                                                                                                     △ 🗓 aidl ( Q 01:38 PM 15-10-2020
```

```
prac6 - Notepad
File Edit Format View Help
                 if(check_author == b[i].getAuthor())
b[i].display();
           double max = -999.00;
for(int i=0;i<3;i++)
                 if(b[i].getPrice()>max)
    max = b[i].getPrice();
           for(int i=0;i<3;i++)
                 if(b[i].getPrice()==max)
b[i].display();
           int count = 0;
           for(int i=0;i<3;i++)
                 if(b[i].getYear_of_pub()==2020)
           System.out.println("The number of books published in 2020:"+count); int least = 9999999; for(int i=0;i<3;i++)
                 if(b[i].getNo_of_pages()<least)
    least = b[i].getNo_of_pages();</pre>
            for(int i=0;i<3;i++)
                 if(b[i].getNo_of_pages()==least)
b[i].display();
}
                                                                                                                                                                                                                 → 🗓 aid. ( Q 01:38 PM 15-10-2020
```

