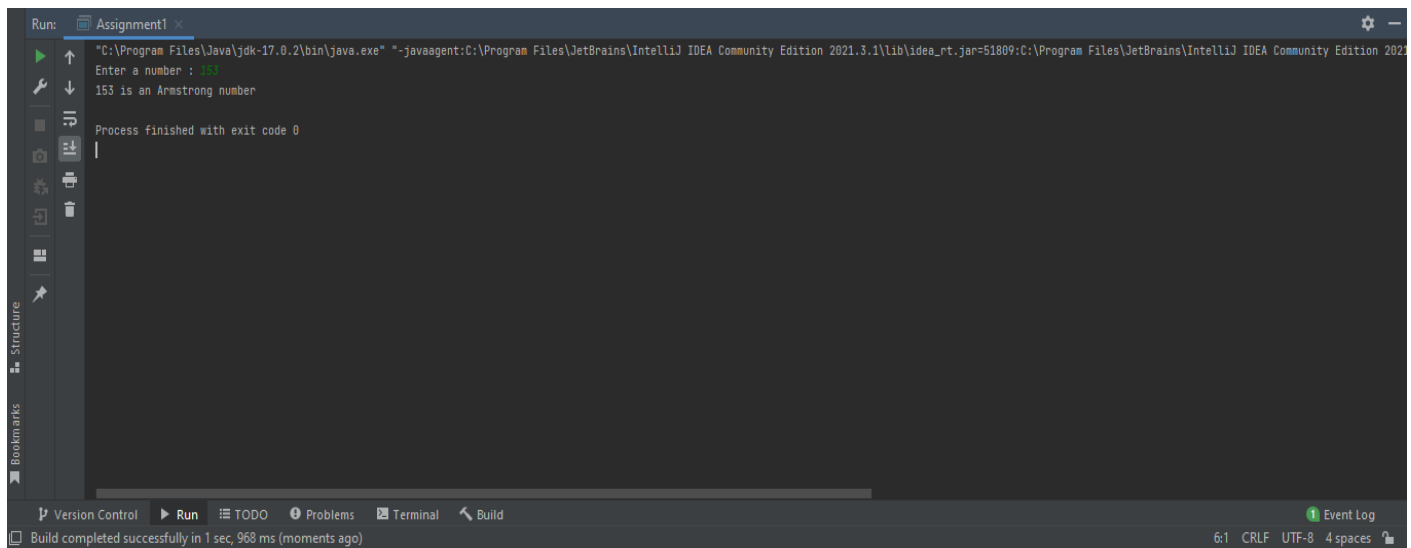
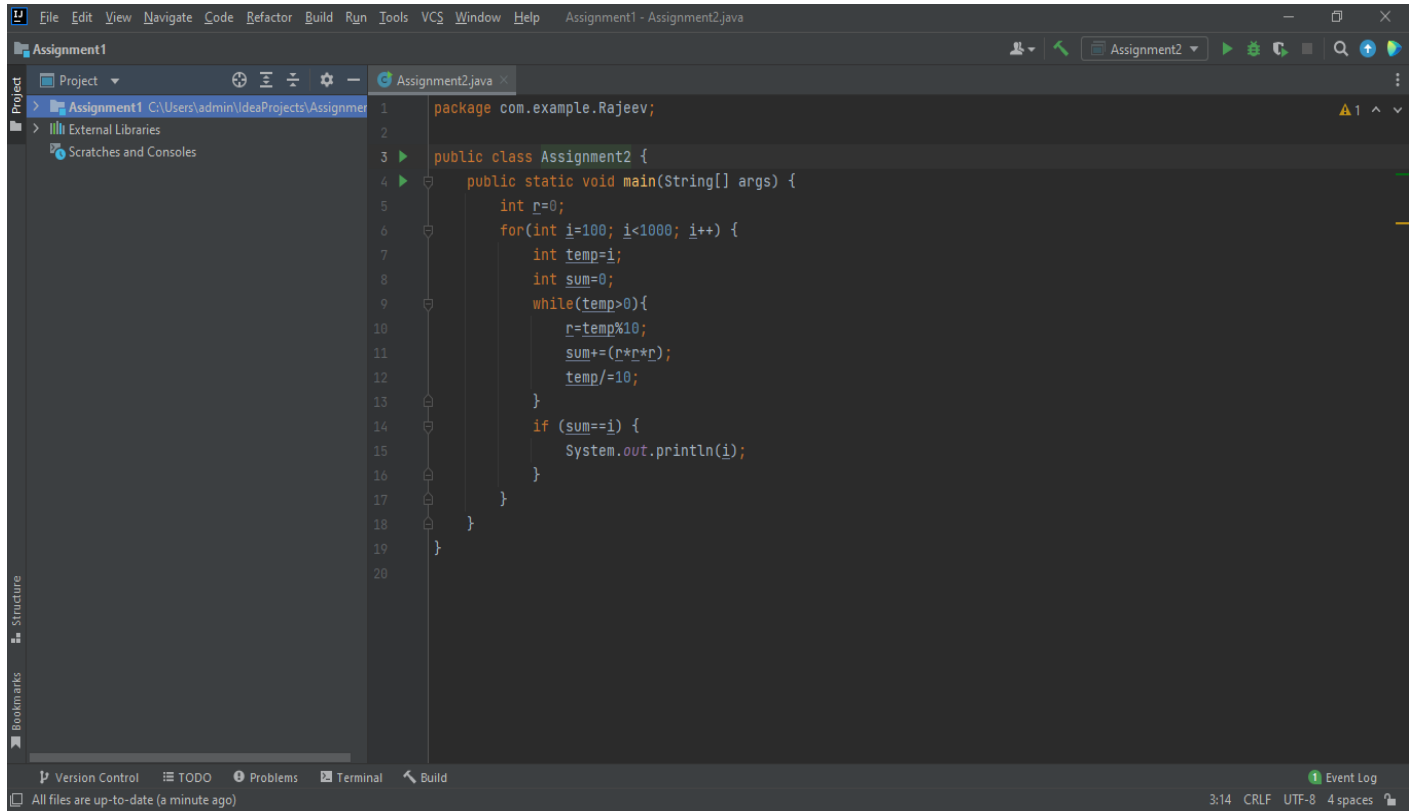


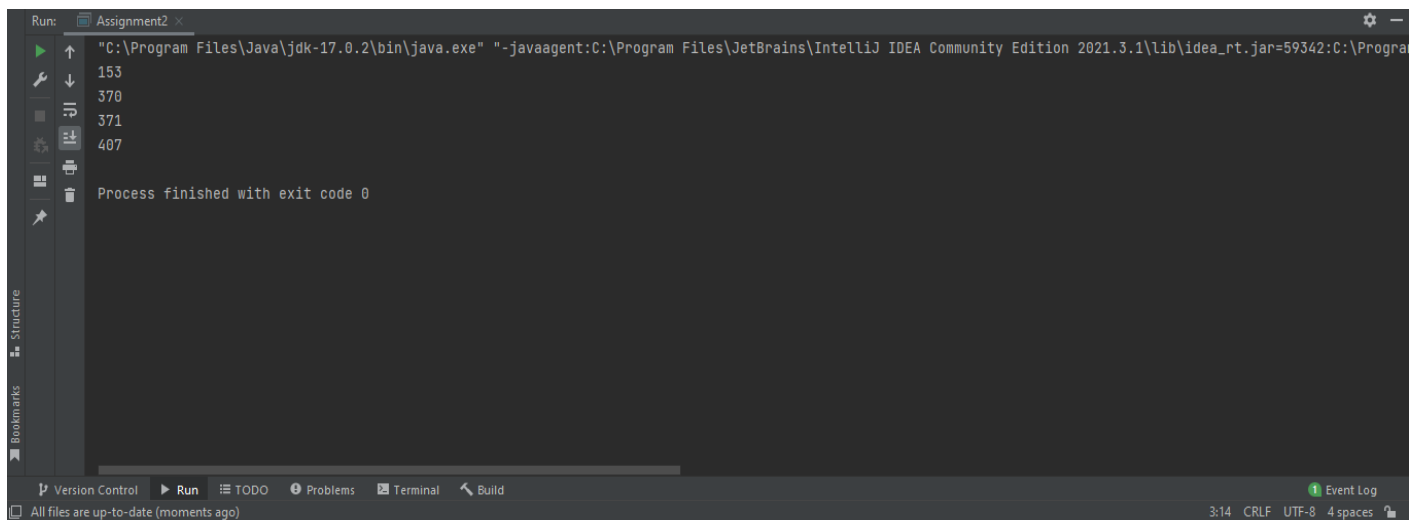
(1)



(2)

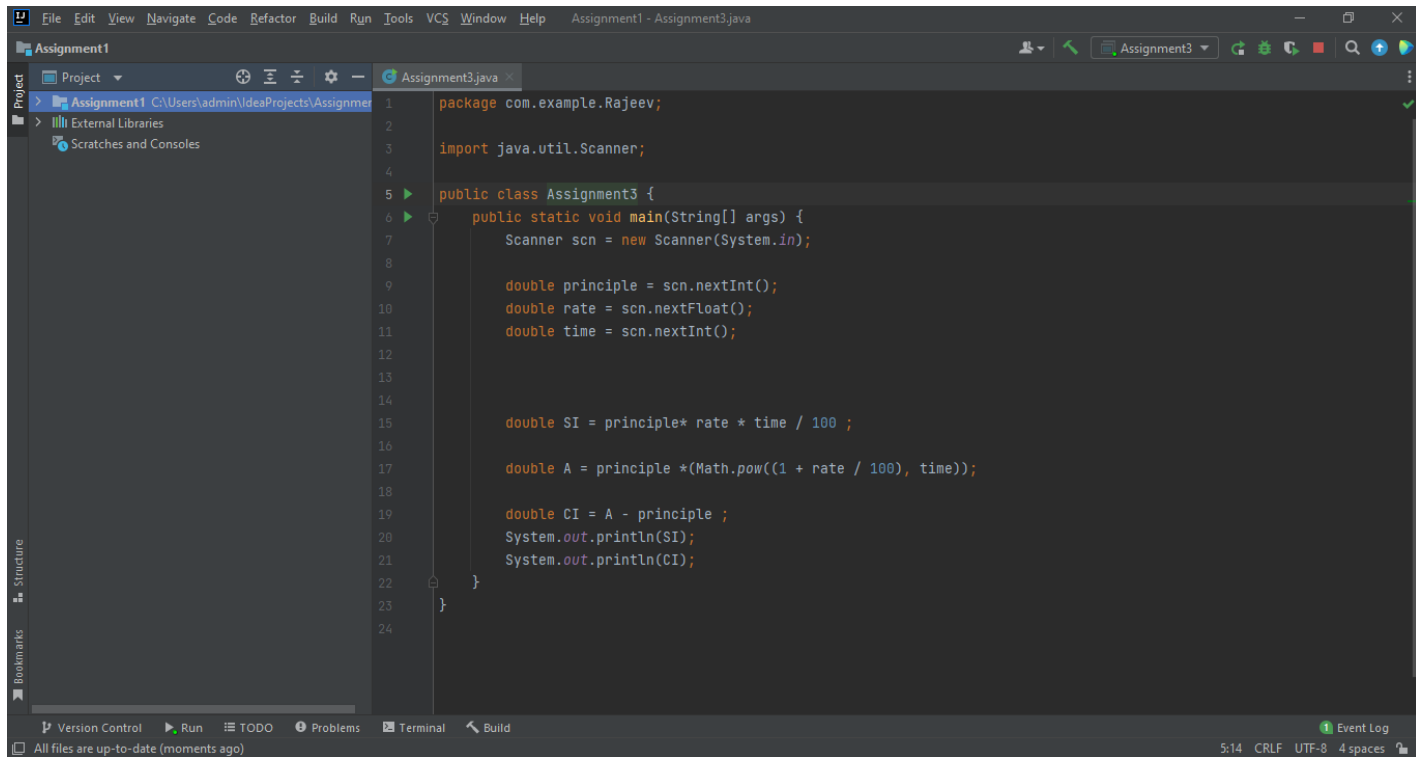


```
1 package com.example.Rajeev;
2
3 public class Assignment2 {
4     public static void main(String[] args) {
5         int r=0;
6         for(int i=100; i<1000; i++) {
7             int temp=i;
8             int sum=0;
9             while(temp>0){
10                 r=temp%10;
11                 sum+=(r*r*r);
12                 temp/=10;
13             }
14             if (sum==i) {
15                 System.out.println(i);
16             }
17         }
18     }
19 }
20
```

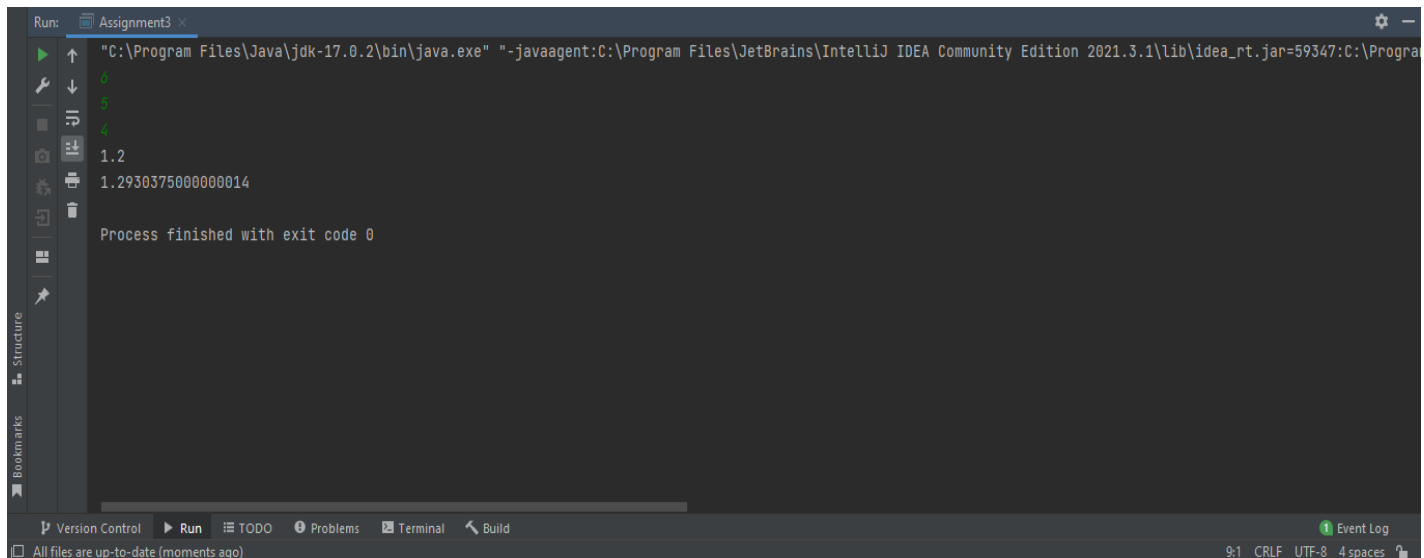


```
Run: Assignment2 x
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\lib\idea_rt.jar=59342:C:\Progra
153
370
371
407
Process finished with exit code 0
```

(3)

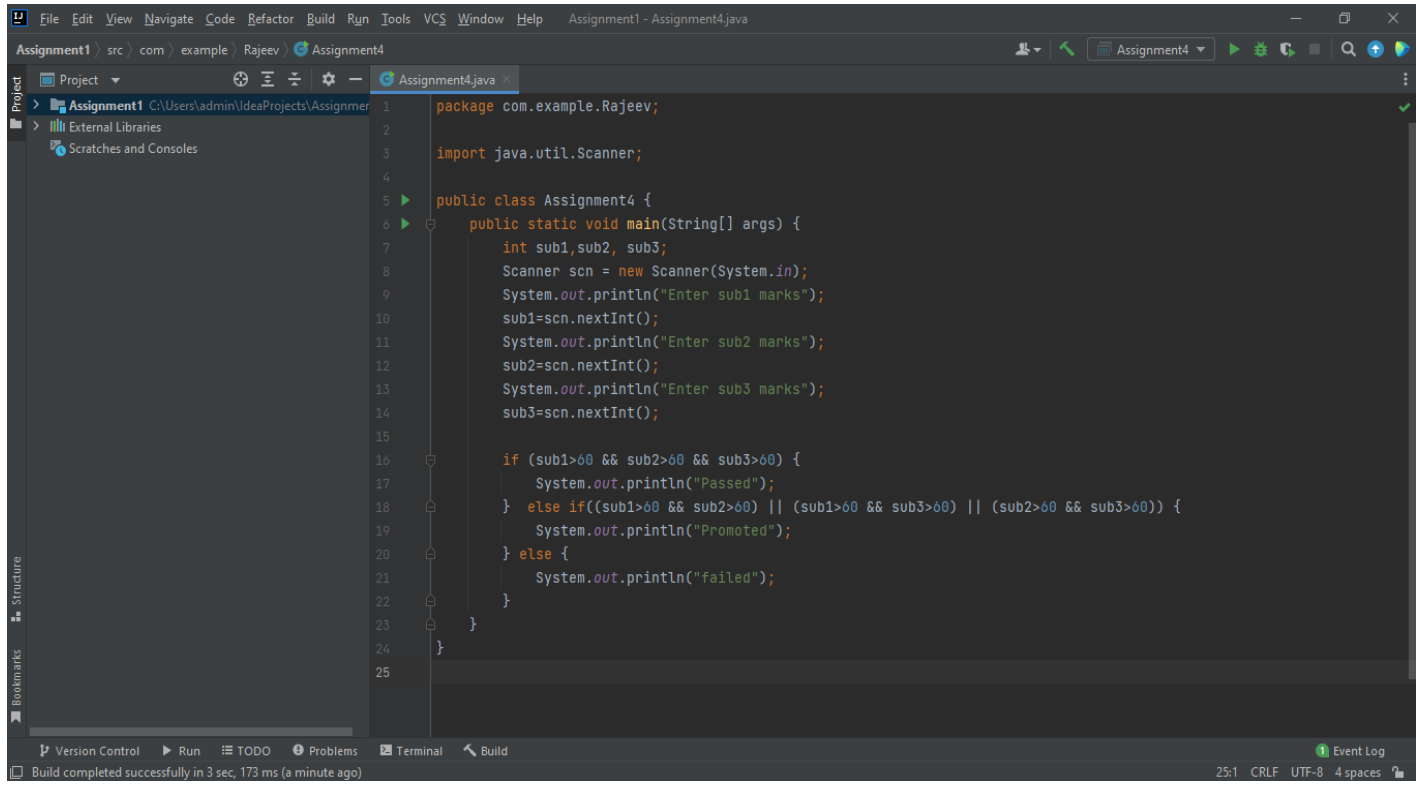


```
1 package com.example.Rajeev;
2
3 import java.util.Scanner;
4
5 public class Assignment3 {
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8
9         double principle = scn.nextInt();
10        double rate = scn.nextFloat();
11        double time = scn.nextInt();
12
13
14
15        double SI = principle* rate * time / 100 ;
16
17        double A = principle *(Math.pow((1 + rate / 100), time));
18
19        double CI = A - principle ;
20        System.out.println(SI);
21        System.out.println(CI);
22    }
23 }
24
```



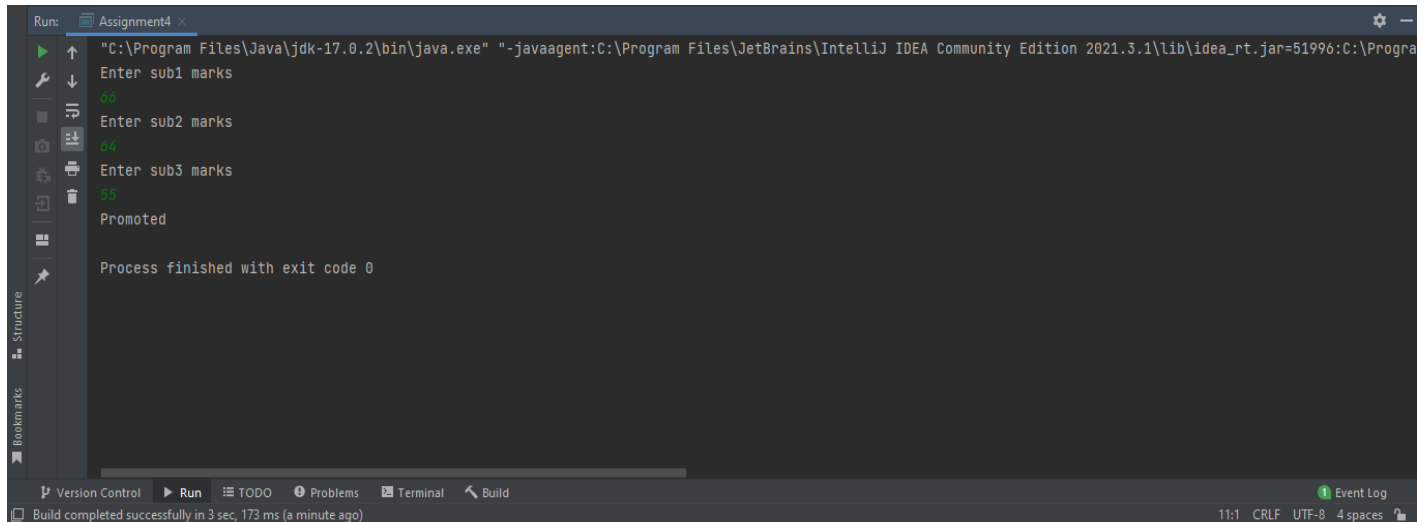
```
Run: Assignment3
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\lib\idea_rt.jar=59347:C:\Progra
1.2
1.2930375000000014
Process finished with exit code 0
```

(4)



```
1 package com.example.Rajeev;
2
3 import java.util.Scanner;
4
5 public class Assignment4 {
6     public static void main(String[] args) {
7         int sub1, sub2, sub3;
8         Scanner scn = new Scanner(System.in);
9         System.out.println("Enter sub1 marks");
10        sub1=scn.nextInt();
11        System.out.println("Enter sub2 marks");
12        sub2=scn.nextInt();
13        System.out.println("Enter sub3 marks");
14        sub3=scn.nextInt();
15
16        if (sub1>60 && sub2>60 && sub3>60) {
17            System.out.println("Passed");
18        } else if((sub1>60 && sub2>60) || (sub1>60 && sub3>60) || (sub2>60 && sub3>60)) {
19            System.out.println("Promoted");
20        } else {
21            System.out.println("failed");
22        }
23    }
24 }
25
```

Build completed successfully in 3 sec, 173 ms (a minute ago)



```
Run: Assignment4
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\lib\idea_rt.jar=51996:C:\Progra
Enter sub1 marks
60
Enter sub2 marks
60
Enter sub3 marks
60
Promoted
Process finished with exit code 0
```

Build completed successfully in 3 sec, 173 ms (a minute ago)

(5)

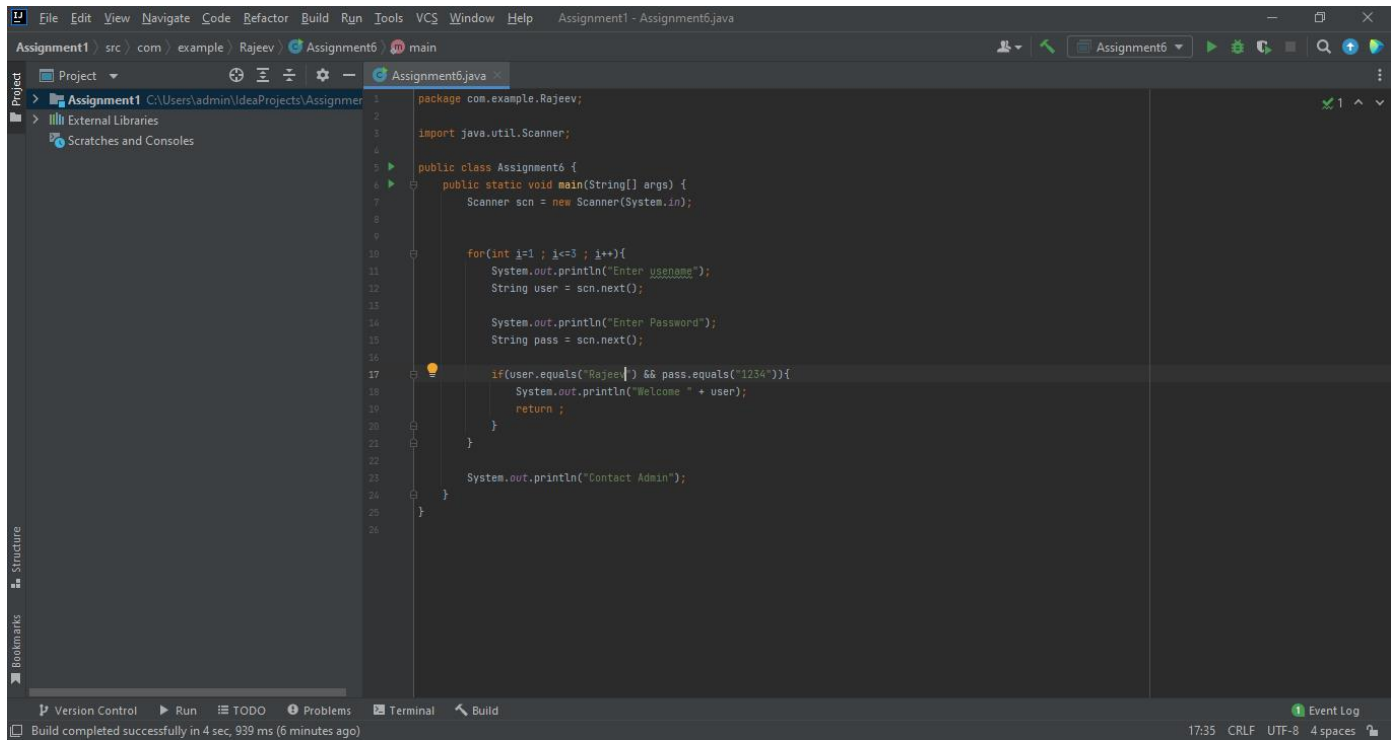
```
1 package com.example.Rajeev;
2
3 import java.util.Scanner;
4
5 public class Assignment5 {
6     public static void main(String[] args) {
7         Scanner input = new Scanner(System.in);
8
9         System.out.print("Enter the CTC / Salary : ");
10
11         int salary = input.nextInt();
12         double tax = 0 ;
13
14         if(salary <= 180000){
15             // there is no tax applied to this slab
16             tax = 0 ;
17         }else if(salary>=181001 && salary<=300000){
18             tax = salary * 0.10 ;
19         }
20         else if(salary<=500000){
21             tax = salary * 0.20 ;
22         }else if(salary <=1000000){
23             tax = salary * 0.30;
24         }
25
26         System.out.println(tax);
27     }
28 }
29
30
```

Build completed successfully in 3 sec, 788 ms (7 minutes ago)

```
Run: Assignment5
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\lib\idea_rt.jar=64534:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\bin" -Dfile.encoding=UTF-8
Enter the CTC / Salary : 100000
70000.0
Process finished with exit code 0
```

Build completed successfully in 3 sec, 788 ms (8 minutes ago)

(6)



```
package com.example.Rajeev;

import java.util.Scanner;

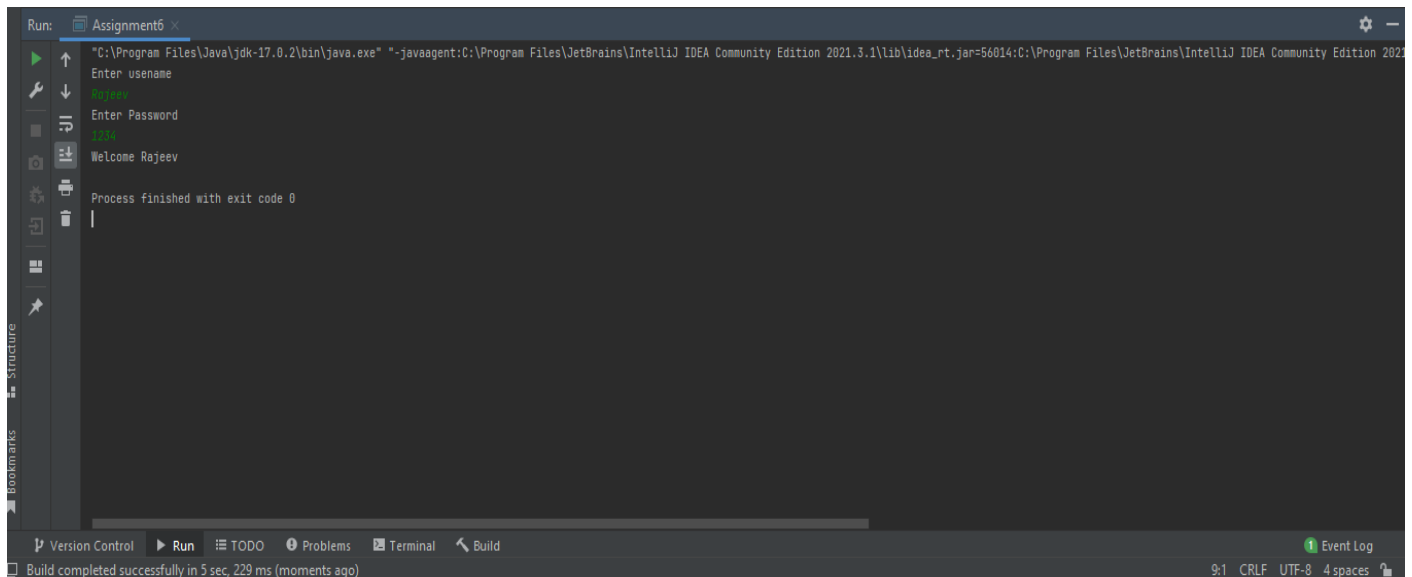
public class Assignment6 {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);

        for(int i=1; i<=3; i++){
            System.out.println("Enter username");
            String user = scn.next();

            System.out.println("Enter Password");
            String pass = scn.next();

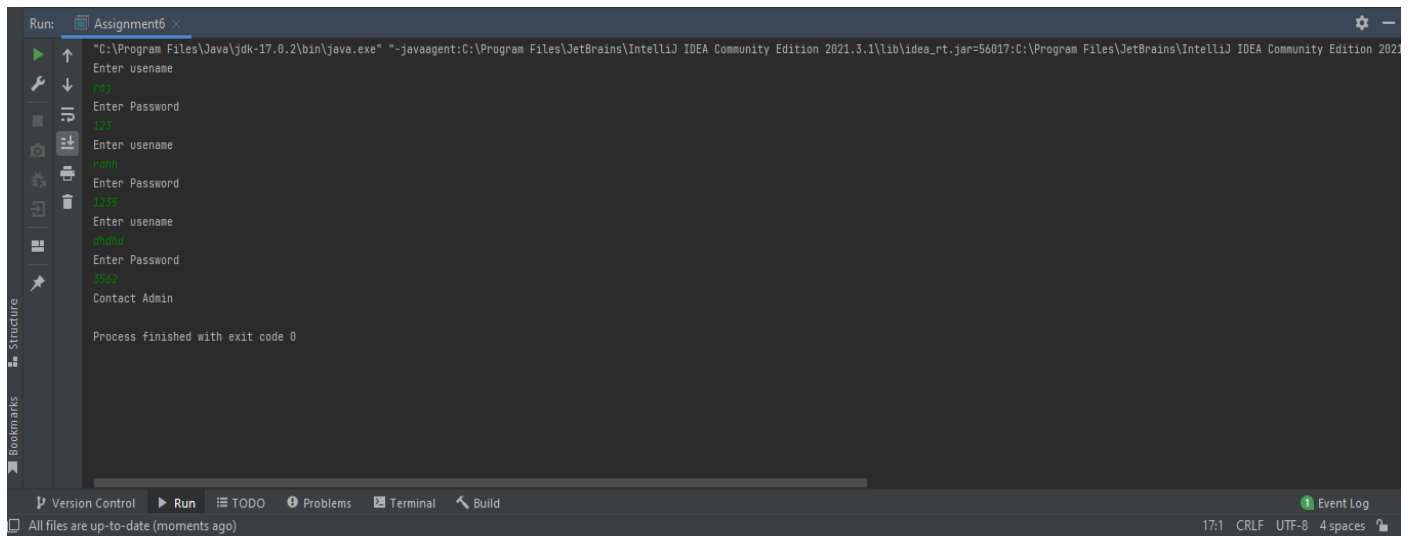
            if(user.equals("Rajeev") && pass.equals("1234")){
                System.out.println("Welcome " + user);
                return ;
            }
        }

        System.out.println("Contact Admin");
    }
}
```

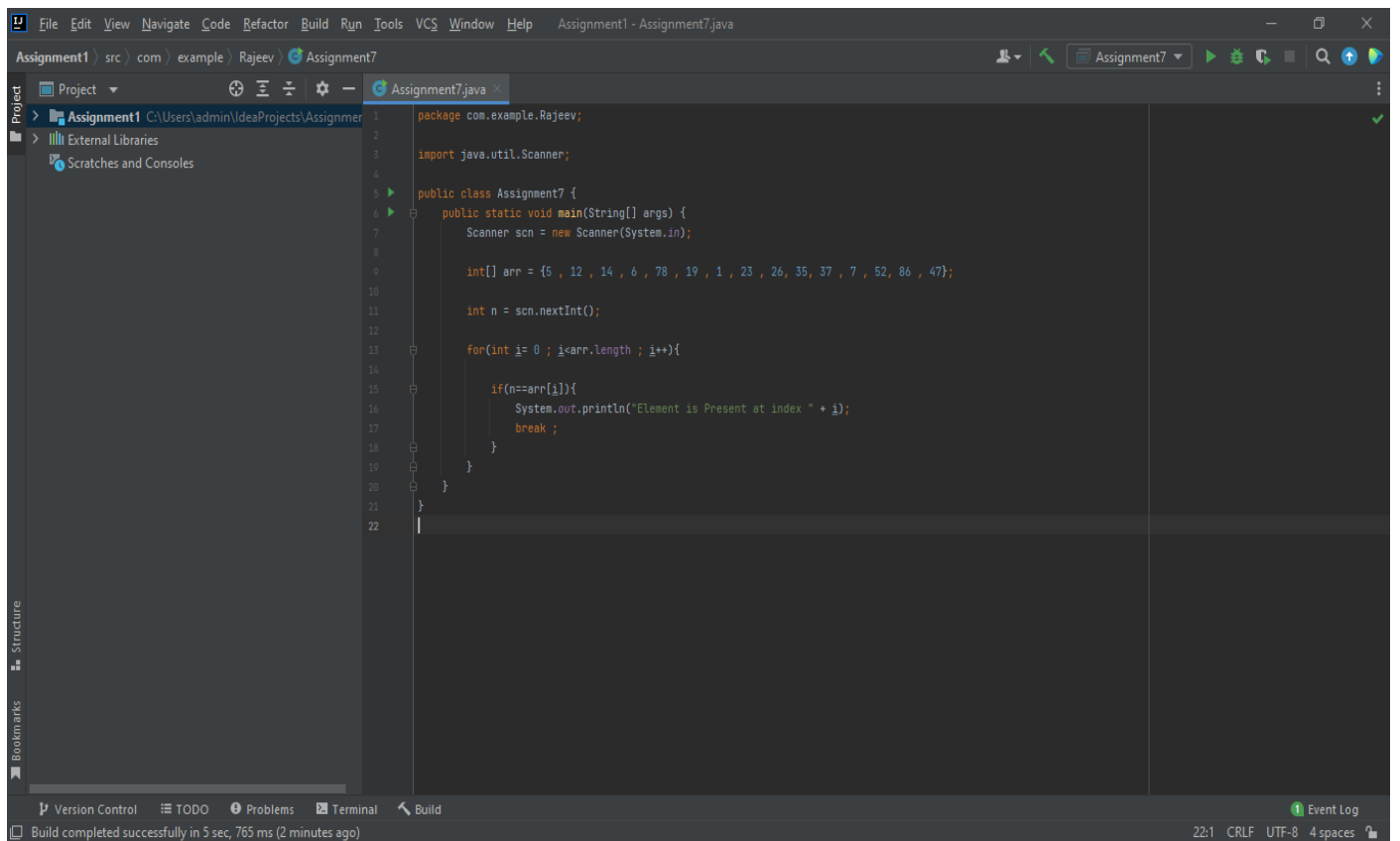


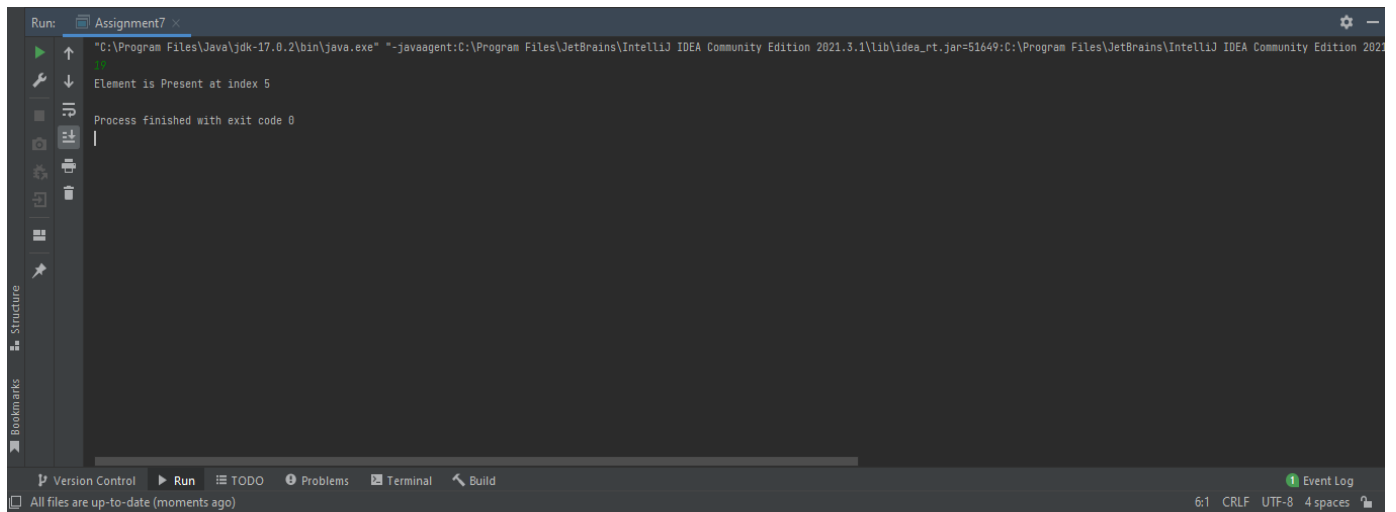
```
Run: Assignment6 x
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\lib\idea_rt.jar=56014:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\bin" -Dfile.encoding=UTF-8
Enter username
Rajeev
Enter Password
1234
Welcome Rajeev

Process finished with exit code 0
```

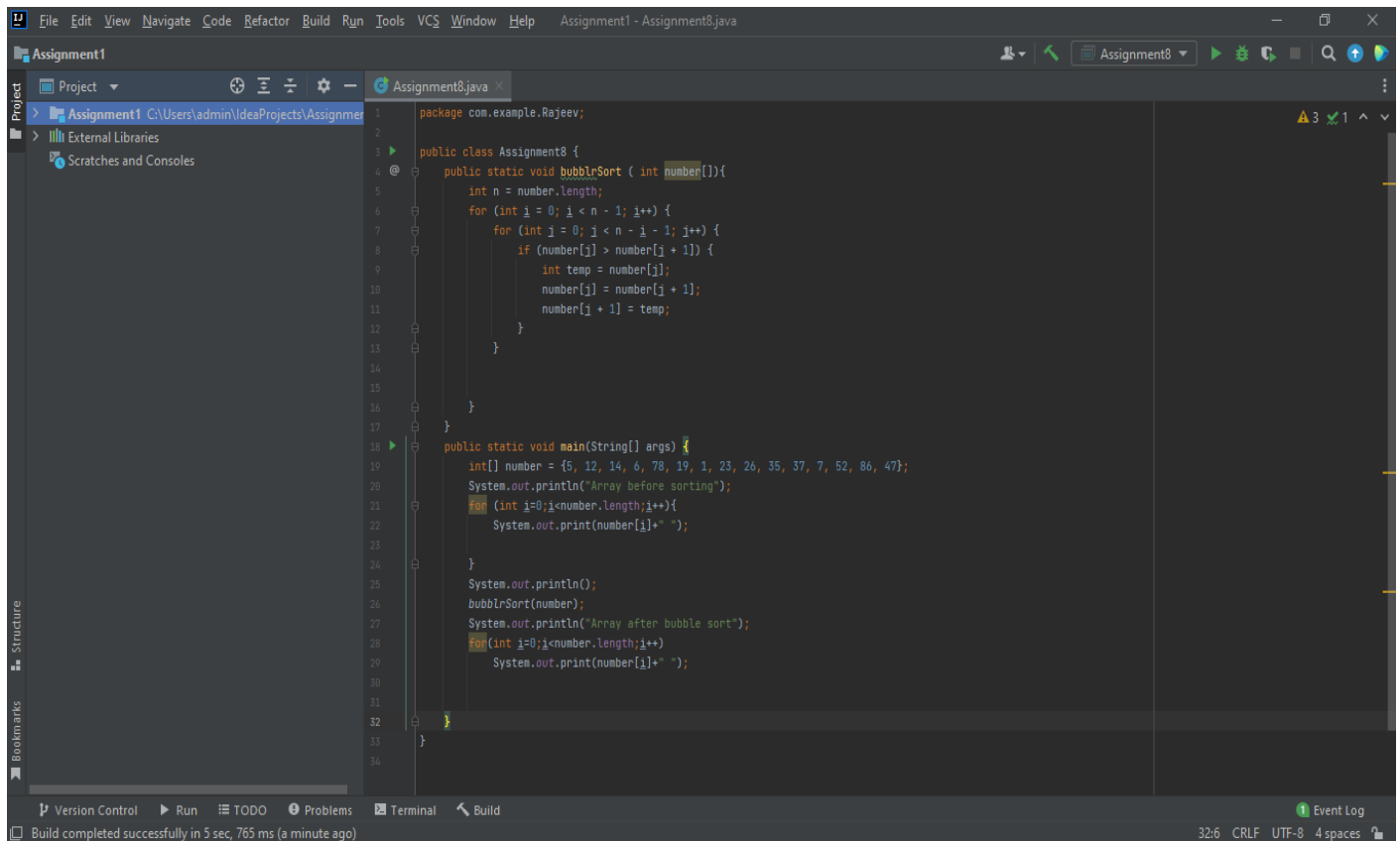


(7)

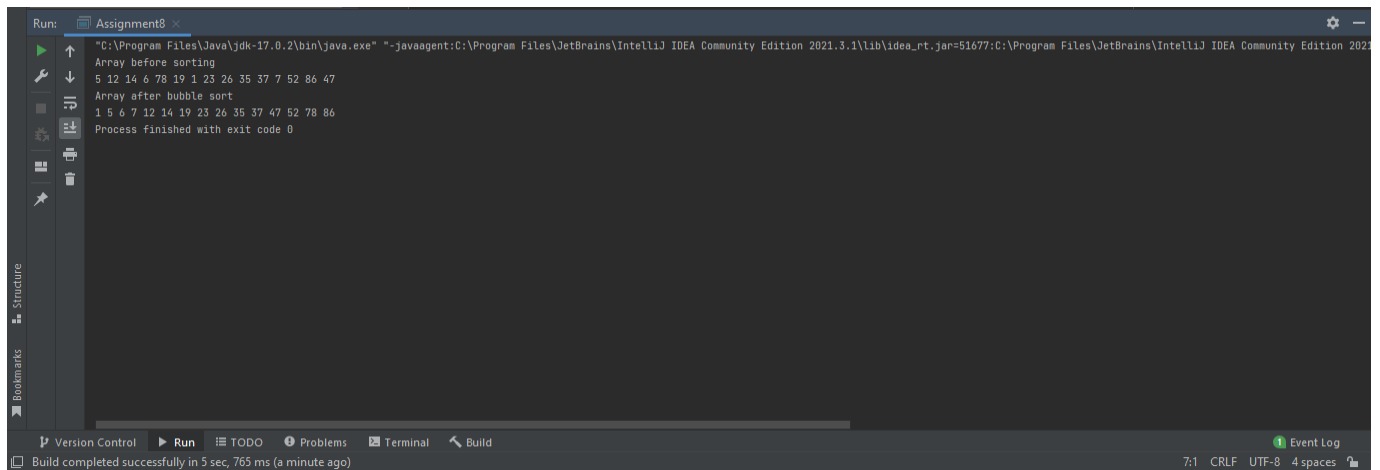




(8)



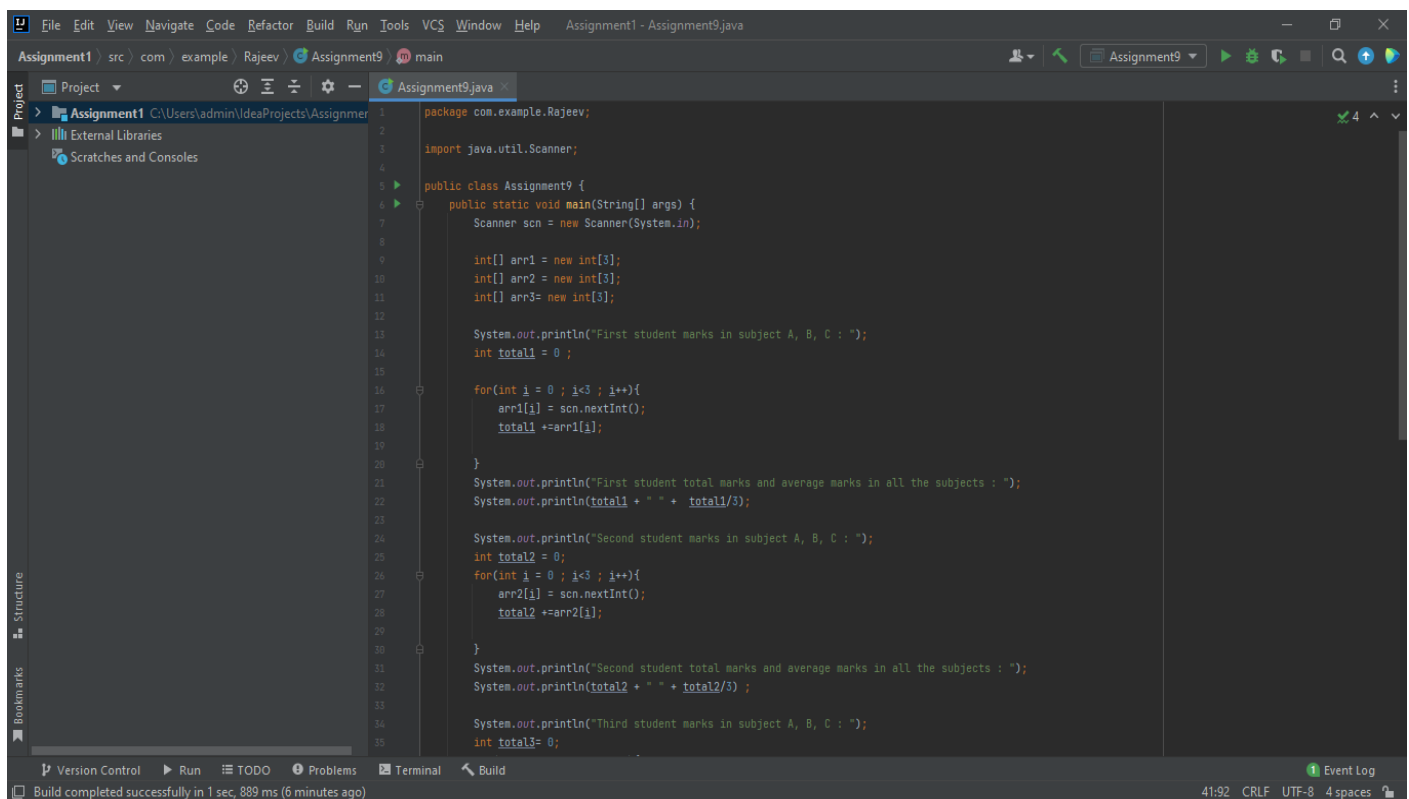




```
Run: Assignment8
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\lib\idea_rt.jar=51677:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\bin" -Didea.config.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\conf -Didea.copyright.profiles=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\copyright -Didea.home.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\bin -Didea.jre.path=C:\Program Files\Java\jdk-17.0.2\bin
Array before sorting
5 12 14 6 78 19 1 23 26 35 37 7 52 86 47
Array after bubble sort
1 5 6 7 12 14 19 23 26 35 37 47 52 78 86
Process finished with exit code 0
```

Build completed successfully in 5 sec, 765 ms (a minute ago)

(9)



```
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Assignment1 - Assignment9.java
Assignment1 src \ com \ example \ Rajeev \ Assignment9 main
Project
  Assignment1 C:\Users\admin\IdeaProjects\Assignment1
  External Libraries
  Scratches and Consoles
Structure
  Assignment9.java
package com.example.Rajeev;
import java.util.Scanner;
public class Assignment9 {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int[] arr1 = new int[3];
        int[] arr2 = new int[3];
        int[] arr3 = new int[3];
        System.out.println("First student marks in subject A, B, C : ");
        int total1 = 0 ;
        for(int i = 0 ; i<3 ; i++){
            arr1[i] = scn.nextInt();
            total1 +=arr1[i];
        }
        System.out.println("First student total marks and average marks in all the subjects : ");
        System.out.println(total1 + " " + total1/3);
        System.out.println("Second student marks in subject A, B, C : ");
        int total2 = 0;
        for(int i = 0 ; i<3 ; i++){
            arr2[i] = scn.nextInt();
            total2 +=arr2[i];
        }
        System.out.println("Second student total marks and average marks in all the subjects : ");
        System.out.println(total2 + " " + total2/3);
        System.out.println("Third student marks in subject A, B, C : ");
        int total3= 0;
    }
}
```

Build completed successfully in 1 sec, 889 ms (6 minutes ago)

```
34 System.out.println("Third student marks in subject A, B, C : ");
35 int total3= 0;
36 for(int i = 0 ; i<3 ; i++){
37     arr3[i] = scn.nextInt();
38     total3 +=arr3[i];
39 }
40
41 System.out.println("Third student total marks and average marks in all the subject : ");
42 System.out.println(total3 + " " + total3/3);
43
44
45 // total avg of sub 1
46 int totalsub1 = arr1[0] + arr2[0] + arr3[0];
47
48 int avg1 = totalsub1 / 3 ;
49 System.out.println("All the three students marks and average in subject A : ");
50 System.out.println(totalsub1 + " " + avg1);
51
52 int totalsub2 = arr1[1] + arr2[1] + arr3[1];
53
54 int avg2 = totalsub2 / 3 ;
55 System.out.println("All the three students marks and average in subject B : ");
56 System.out.println(totalsub2 + " " + avg2);
57
58 int totalsub3 = arr1[2] + arr2[2] + arr3[2];
59
60 int avg3 = totalsub3 / 3 ;
61 System.out.println("All the three students marks and average in subject C : ");
62 System.out.println(totalsub3 + " " + avg3);
63
64 }
65
66
```

Build completed successfully in 1 sec, 889 ms (6 minutes ago)

```
Run: Assignment9
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\lib\idea_rt.jar=51779:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.1\bin" -Dfile.encoding=UTF-8
First student marks in subject A, B, C :
199
66
66
First student total marks and average marks in all the subjects :
199 66
Second student marks in subject A, B, C :
71
71
66
Second student total marks and average marks in all the subjects :
254 84
Third student marks in subject A, B, C :
86
74
74
Third student total marks and average marks in all the subjects :
258 86
All the three students marks and average in subject A :
231 77
All the three students marks and average in subject B :
222 74
All the three students marks and average in subject C :
258 86
Process finished with exit code 0
```

Build completed successfully in 1 sec, 906 ms (a minute ago)