

```

Sequential > src > Sequential.java > Sequential > main(String[])
1 | package Sequential.src;
2 | import java.util.*;
3 |
4 | public class Sequential
5 | {
6 |     Run | Debug
7 |     public static void main ( String[] args)
8 |     {
9 |         int enrollment = 45; //Per unit
10 |         double miscellaneous = 0.15; //Additional fee
11 |         int blanket = 200;
12 |
13 |         Scanner sc= new Scanner(System.in); //Open scanner
14 |
15 |         System.out.print("Enter number of units: "); //Input
16 |         int UNITS = sc.nextInt(); //Scan
17 |
18 |         //Formula
19 |         double enrollmentFee = (UNITS * enrollment);
20 |         double miscellaneousFee = enrollmentFee * miscellaneous;
21 |         double TUITIONFEE = enrollmentFee + miscellaneousFee + blanket;
22 |
23 |         sc.close(); //Close scanner
24 |
25 |         System.out.println("Tuition Fee: " + TUITIONFEE); //Output
26 |     }

```

Figure 1. Sequential.java

<div> <div> <div>←</div> <div>→</div> <div>⌵</div> <div>⬆</div> </div> <div> <div>📁</div> <div><< GitHub > CSIT227 > Sequential > Sequential > src</div> <div>⌵</div> <div>🔄</div> <div>🔍 Search</div> </div> </div>					
Name	Status	Date modified	Type	Size	
Sequential.class	🔄	10/22/2020 12:06 PM	CLASS File	2 KB	
Sequential	🔄	10/23/2020 9:14 AM	JAVA File	1 KB	

Figure 2. Directory of the Files

```

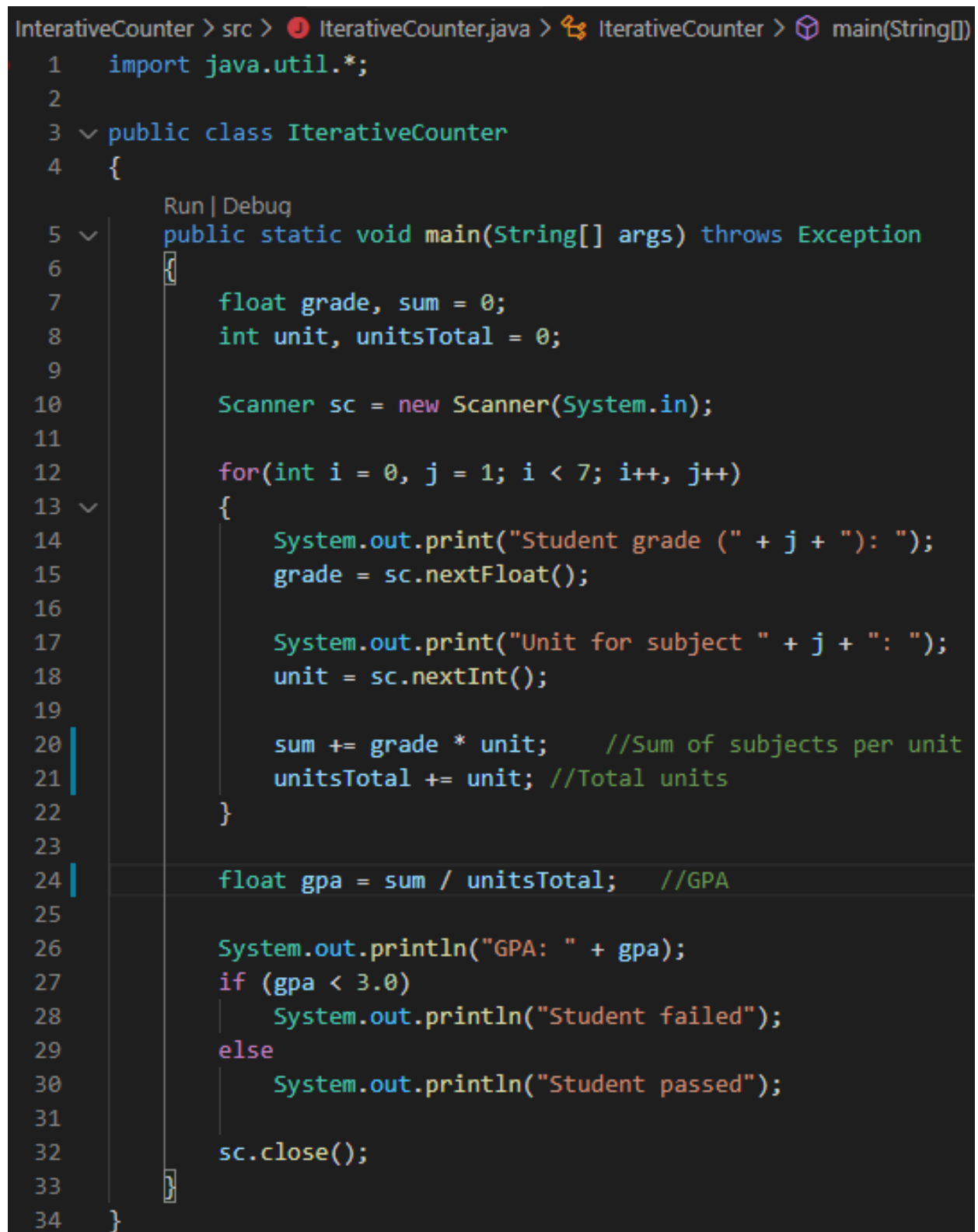
src > Conditional.java > Conditional > main(String[])
1  import java.util.*;
2
3  public class Conditional
4  {
5      Run | Debug
6      public static void main ( String[] args)
7      {
8          int type;    //Appliance sold [1-4]
9          float price;
10         double percentage;
11
12         Scanner sc= new Scanner(System.in);
13
14         System.out.print("Enter appliance type (1-4): ");
15         type = sc.nextInt();
16         System.out.print("Enter sale price: ");
17         price = sc.nextInt();
18
19         sc.close();
20
21         switch(type)
22         {
23             //Type 1
24             case 1:
25                 percentage = price * 0.07; //Percentage of the sale
26
27                 if (percentage > 400)
28                     System.out.println("Commision: " + percentage);
29                 else
30                     System.out.println("Commision: " + 400);
31                 break;
32             //Type 2
33             case 2:
34                 percentage = price * 0.10; //Percentage of the sale
35
36                 if (percentage > 900)
37                     System.out.println("Commision: " + 900);
38                 else
39                     System.out.println("Commision: " + percentage);
40                 break;
41             //Type 3
42             case 3:
43                 percentage = price * 0.12; //Percentage of the sale
44
45                 System.out.println("Commision: " + percentage);
46                 break;
47             //Type 4
48             case 4:
49                 System.out.println("Commision: " + 250);
50                 break;
51             default:
52                 System.out.println("Please input a valid input."); //Input is not from 1-4
53                 break;
54         }
55     }
56 }
57
58

```

Figure 3. Conditional.java

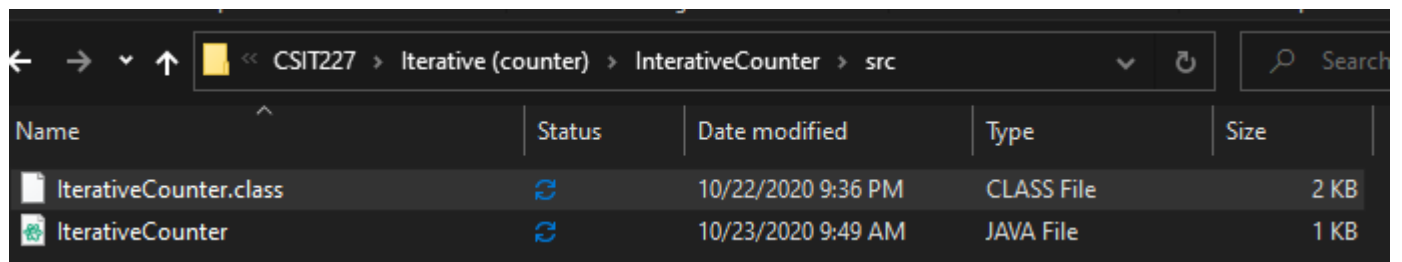
<< Documents > GitHub > CSIT227 > Conditional > src

Figure 4. Directory of the Files



```
IterativeCounter > src > IterativeCounter.java > IterativeCounter > main(String[])
1  import java.util.*;
2
3  public class IterativeCounter
4  {
5      public static void main(String[] args) throws Exception
6      {
7          float grade, sum = 0;
8          int unit, unitsTotal = 0;
9
10         Scanner sc = new Scanner(System.in);
11
12         for(int i = 0, j = 1; i < 7; i++, j++)
13         {
14             System.out.print("Student grade (" + j + "): ");
15             grade = sc.nextFloat();
16
17             System.out.print("Unit for subject " + j + ": ");
18             unit = sc.nextInt();
19
20             sum += grade * unit;    //Sum of subjects per unit
21             unitsTotal += unit;    //Total units
22         }
23
24         float gpa = sum / unitsTotal;    //GPA
25
26         System.out.println("GPA: " + gpa);
27         if (gpa < 3.0)
28             System.out.println("Student failed");
29         else
30             System.out.println("Student passed");
31
32         sc.close();
33     }
34 }
```

Figure 5. IterativeCounter.java



CSIT227 > Iterative (counter) > IterativeCounter > src					Search
Name	Status	Date modified	Type	Size	
IterativeCounter.class		10/22/2020 9:36 PM	CLASS File	2 KB	
IterativeCounter		10/23/2020 9:49 AM	JAVA File	1 KB	

Figure 6. Directory of the Files

```

TrailerRecord > src > TrailerRecord.java > TrailerRecord > main(String[])
1  import java.util.*;
2
3  public class TrailerRecord
4  {
5      Run | Debug
6      public static void main ( String[] args)
7      {
8          int team1 = 0, team2 = 0, goal;
9
10         Scanner sc = new Scanner(System.in);
11
12         System.out.println("Goals scored in a soccer match: ");
13         goal = sc.nextInt();
14
15         while (goal == 1 || goal == 2)
16         {
17             //Tally scores
18             if (goal == 1)
19                 team1++;
20             else if (goal == 2)
21                 team2++;
22
23             goal = sc.nextInt();
24         }
25
26         sc.close();
27
28         if (goal == 0)
29         {
30             //Print total goals each team
31             System.out.println("\nTeam 1: " + team1);
32             System.out.println("Team 2: " + team2);
33
34             //Compare scores
35             if (team1 > team2)
36                 System.out.println("\nTeam 1 won");
37             else if (team1 < team2)
38                 System.out.println("\nTeam 2 won");
39             else
40                 System.out.println("\nBoth tied");
41
42         }
43         else
44             System.out.println("Invalid input");
45     }
46 }

```

Figure 7. TrailerRecord.java

<div> <div> <div>←</div> <div>→</div> <div>⌵</div> <div>⬆</div> </div> <div> <div>CSIT227</div> <div>Iterative (trailer record)</div> <div>TrailerRecord</div> <div>src</div> </div> <div> <div>⌵</div> <div>🔄</div> <div>🔍 Search</div> </div> </div>				
Name	Status	Date modified	Type	Size
TrailerRecord.class		10/23/2020 9:58 AM	CLASS File	2 KB
TrailerRecord		10/23/2020 9:58 AM	JAVA File	2 KB

Figure 8. Directory of the Files

```

Array > src >  Array.java >  Array >  main(String[])
1  import java.util.*;
2
3  public class Array
4  {
5      Run | Debug
6      public static void main ( String[] array)
7      {
8          int size = 10, count = 0;
9          //Declare and assign size
10         int[] gross = new int[size];    //Per week
11         double[] salary = new double[size];
12
13         Scanner sc = new Scanner(System.in);
14
15         for(int i = 0, j = 1; i < gross.length; i++, j++)
16         {
17             System.out.print("Input gross of salesperson " + j + ": ");
18             gross[i] = sc.nextInt();
19
20             salary[i] = (gross[i] * 0.09) + 200;
21
22             //Tally salaries > 500
23             if (salary[i] > 500)
24                 count++;
25         }
26
27         sc.close();
28
29         System.out.println("\nNumber of salesperson who earned more than 500: " + count);
30     }
31 }

```

Figure 9. Array.java

<div> <div> <div>←</div> <div>→</div> <div>⌵</div> <div>⬆</div> </div> <div> <div>Documents</div> <div>GitHub</div> <div>CSIT227</div> <div>Array</div> <div>Array</div> <div>src</div> </div> <div> <div>⌵</div> <div>🔄</div> <div>🔍 Search</div> </div> </div>				
Name	Status	Date modified	Type	Size
Array.class		10/23/2020 10:13 AM	CLASS File	2 KB
Array		10/23/2020 10:13 AM	JAVA File	1 KB

Figure 10. Directory of the Files