

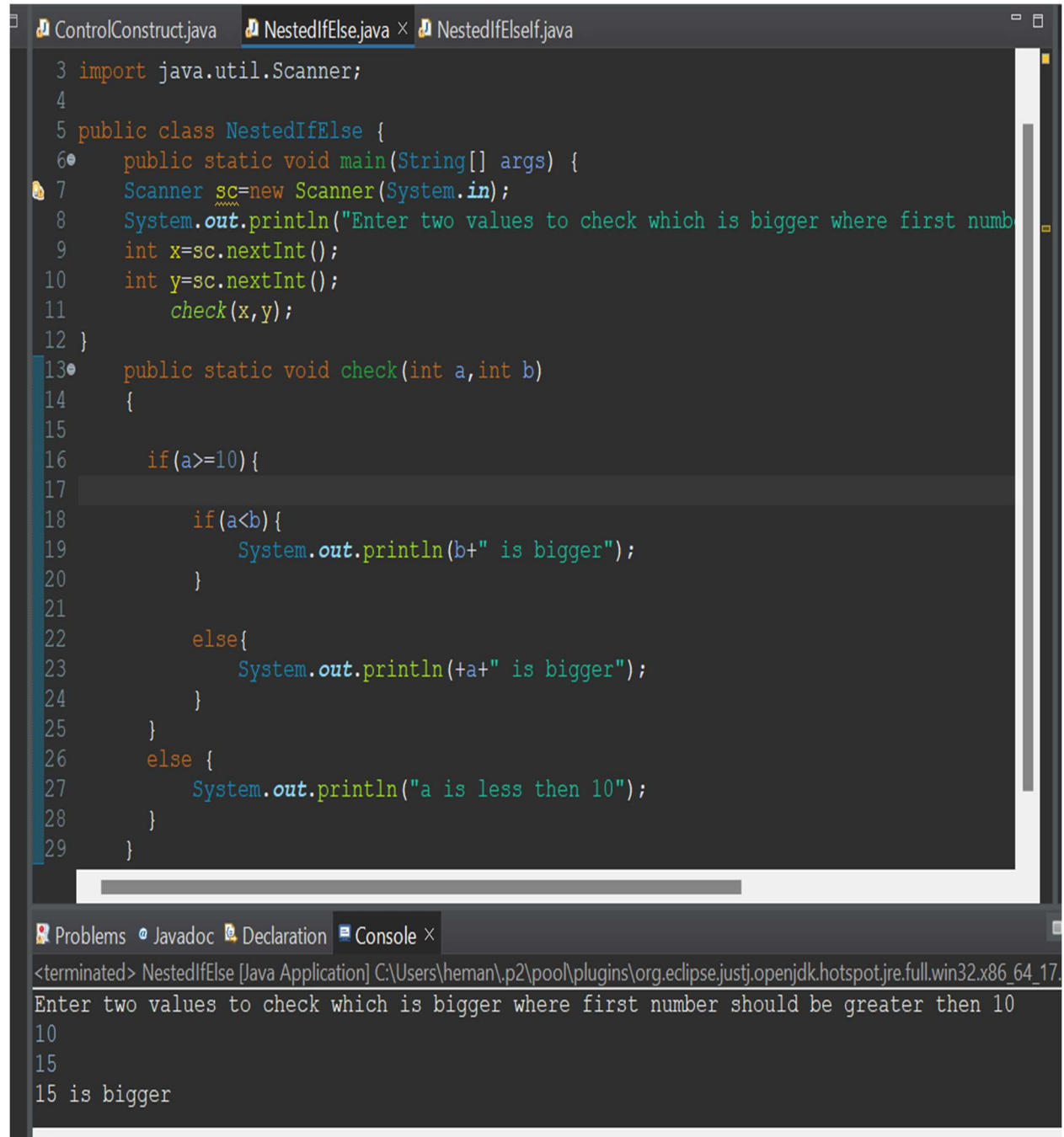
Nested if:

```
ControlConstruct.java × NestedIfElse.java NestedIfElseIf.java
1 package nested;
2
3 import java.util.Scanner;
4
5 public class ControlConstruct {
6
7     public static void main(String[] args) {
8         Scanner sc = new Scanner(System.in);
9         System.out.println("enter your marks");
10        int marks=sc.nextInt();
11        greet(marks);
12    }
13    public static void greet( int marks) {
14        if(marks>60) {
15            System.out.println("welcome to kodnest");
16            if(marks>=80) {
17                System.out.println("welcome to Tech Club");
18            }
19        }
20    }
21 }
22
```

Problems @ Javadoc Declaration Console ×

```
<terminated> ControlConstruct [Java Application] C:\Users\heman\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full\jre\bin\java.exe
enter your marks
80
welcome to kodnest
welcome to Tech Club
```

Nested if else:

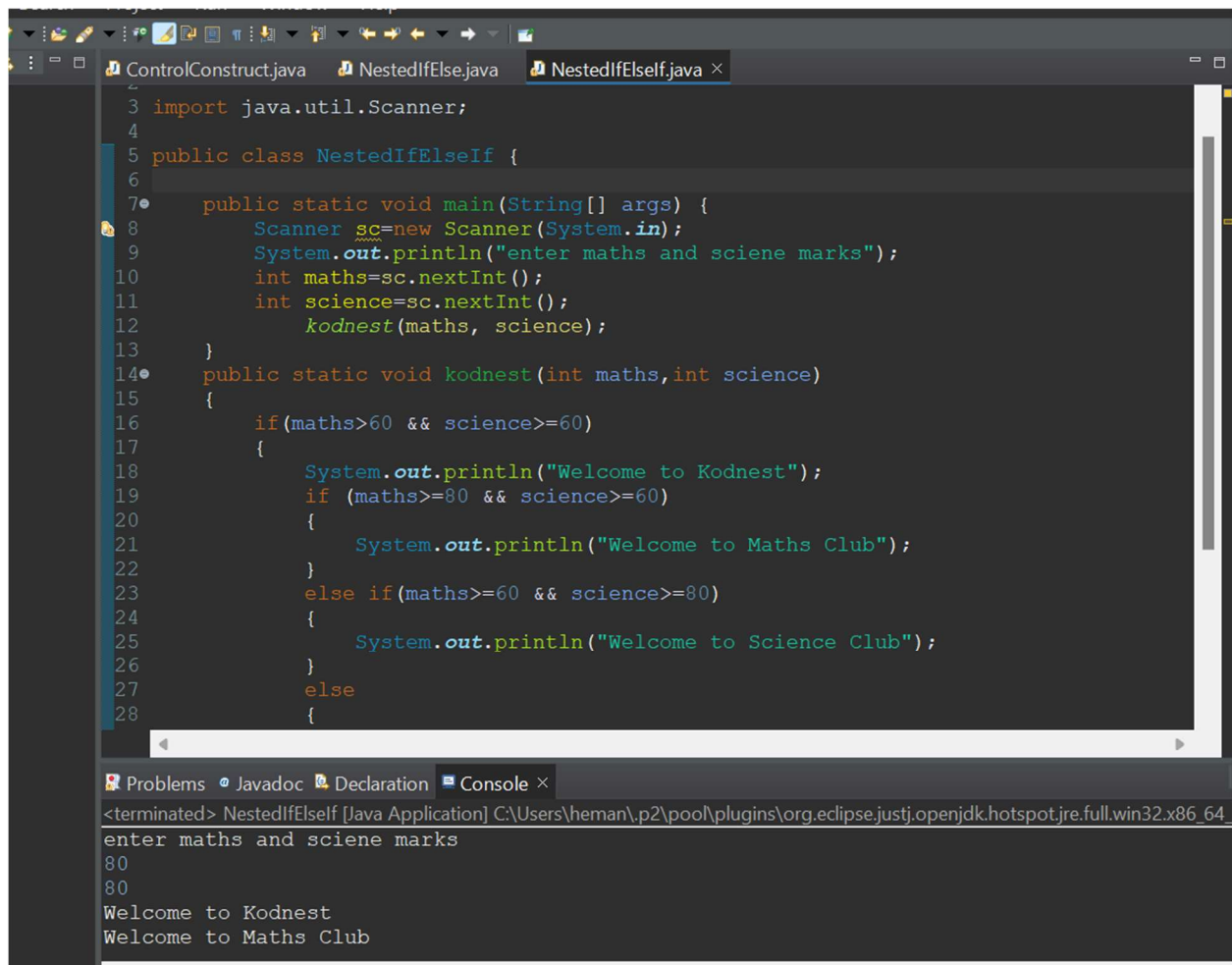


```
ControlConstruct.java  NestedIfElse.java ×  NestedIfElseIf.java
3 import java.util.Scanner;
4
5 public class NestedIfElse {
6     public static void main(String[] args) {
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Enter two values to check which is bigger where first numb
9         int x=sc.nextInt();
10        int y=sc.nextInt();
11        check(x,y);
12    }
13    public static void check(int a,int b)
14    {
15
16        if(a>=10){
17
18            if(a<b){
19                System.out.println(b+" is bigger");
20            }
21
22            else{
23                System.out.println(+a+" is bigger");
24            }
25        }
26        else {
27            System.out.println("a is less then 10");
28        }
29    }
}
```

Problems Javadoc Declaration Console ×

<terminated> NestedIfElse [Java Application] C:\Users\heman\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.
Enter two values to check which is bigger where first number should be greater then 10
10
15
15 is bigger

Nested if else ladder:

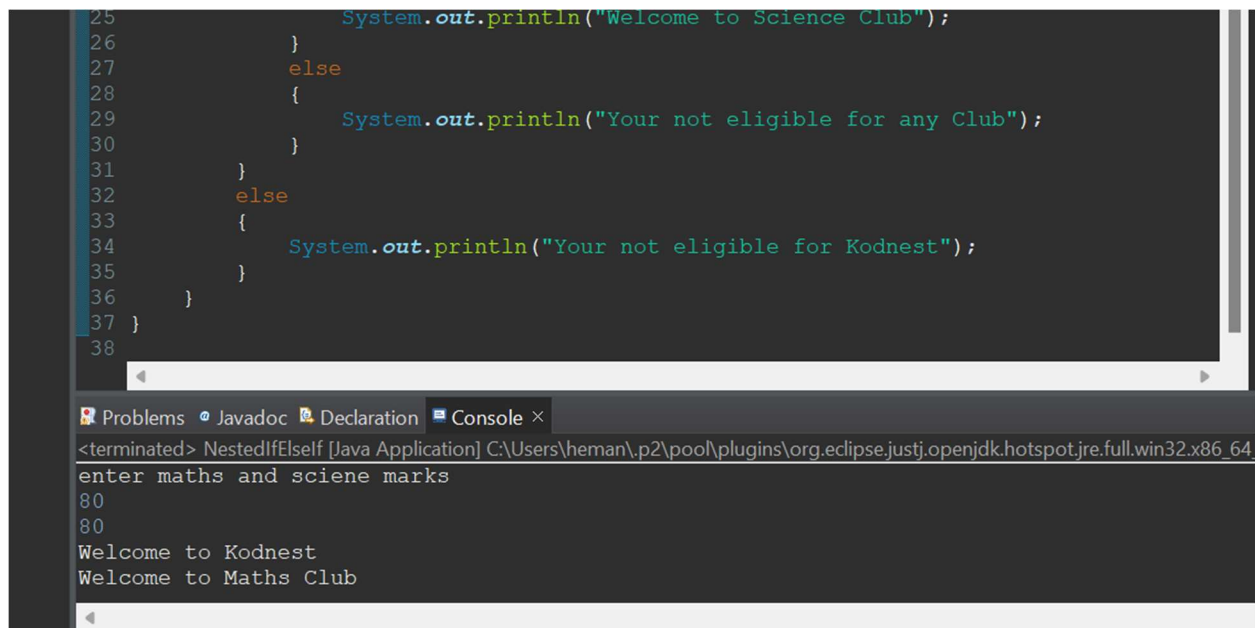


```
3 import java.util.Scanner;
4
5 public class NestedIfElseIf {
6
7     public static void main(String[] args) {
8         Scanner sc=new Scanner(System.in);
9         System.out.println("enter maths and sciene marks");
10        int maths=sc.nextInt();
11        int science=sc.nextInt();
12        kodnest(maths, science);
13    }
14    public static void kodnest(int maths,int science)
15    {
16        if(maths>60 && science>=60)
17        {
18            System.out.println("Welcome to Kodnest");
19            if (maths>=80 && science>=60)
20            {
21                System.out.println("Welcome to Maths Club");
22            }
23            else if(maths>=60 && science>=80)
24            {
25                System.out.println("Welcome to Science Club");
26            }
27            else
28            {
```

Problems Javadoc Declaration Console ×

<terminated> NestedIfElseIf [Java Application] C:\Users\heman\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_

enter maths and sciene marks
80
80
Welcome to Kodnest
Welcome to Maths Club



```
25        System.out.println("Welcome to Science Club");
26    }
27    else
28    {
29        System.out.println("Your not eligible for any Club");
30    }
31    }
32    else
33    {
34        System.out.println("Your not eligible for Kodnest");
35    }
36    }
37 }
38
```

Problems Javadoc Declaration Console ×

<terminated> NestedIfElseIf [Java Application] C:\Users\heman\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_

enter maths and sciene marks
80
80
Welcome to Kodnest
Welcome to Maths Club

Difference between Switch and if-else ladder

Switch	If else ladder
The expression used in switch statement can return an integer or character.	The expression used in if-else-if ladder statement returns true or false value.
In case of switch case, as per the value of the switch, the control jumps to the corresponding case.	In else if ladder, the control goes through every else if statement until it finds the true value of the statement or it comes to the end of the else if ladder.
Integer is the only variable data type that can be in expression of switch.	Either integer or character is the variable data type used in the expression of else if ladder.
Switch case is used when there is only one condition and multiple values of the same are to be tested	Either integer or character is the variable data type used in the expression of else if ladder.
Switch case statement work on the basis of equality operator.	Else if ladder statement works on the basis of true false (zero/non-zero) basis.