

## Nested Simple if:

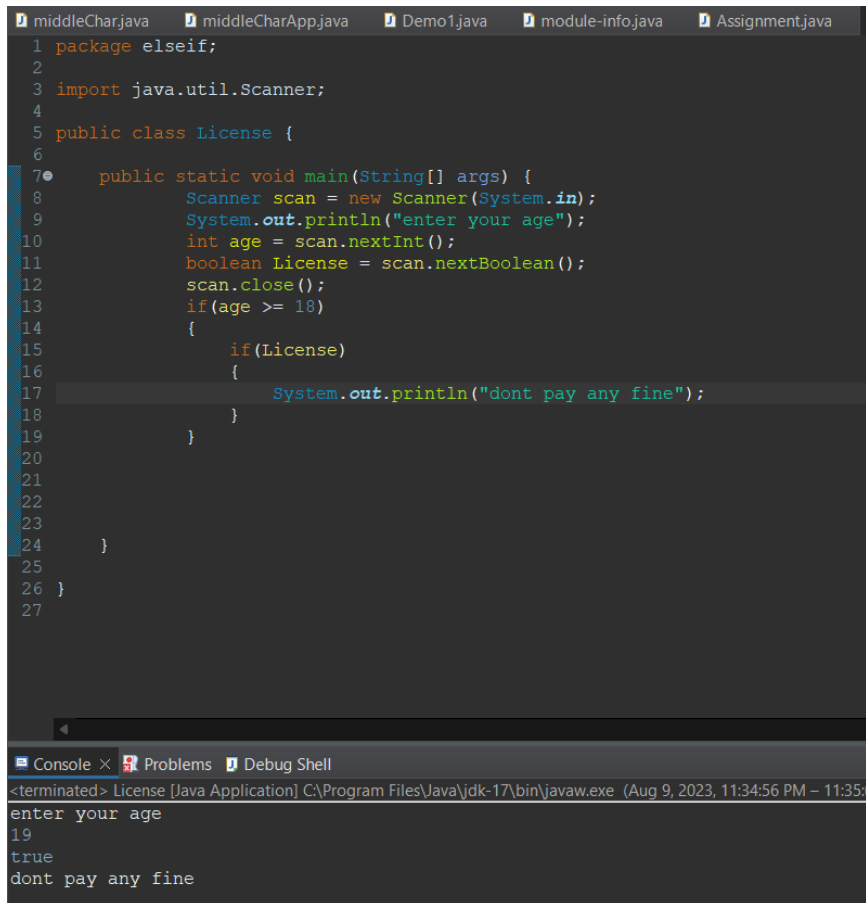
Nested means within. Nested if condition means if-within-if. Nested if condition comes under decision-making statement in Java. There could be infinite if conditions inside an if condition. below represents simple if syntax

### Syntax:

if(Condition 1)

```
{  
    if(condition 2)  
    {  
        //statement  
    }  
}
```

### Example: Simple if



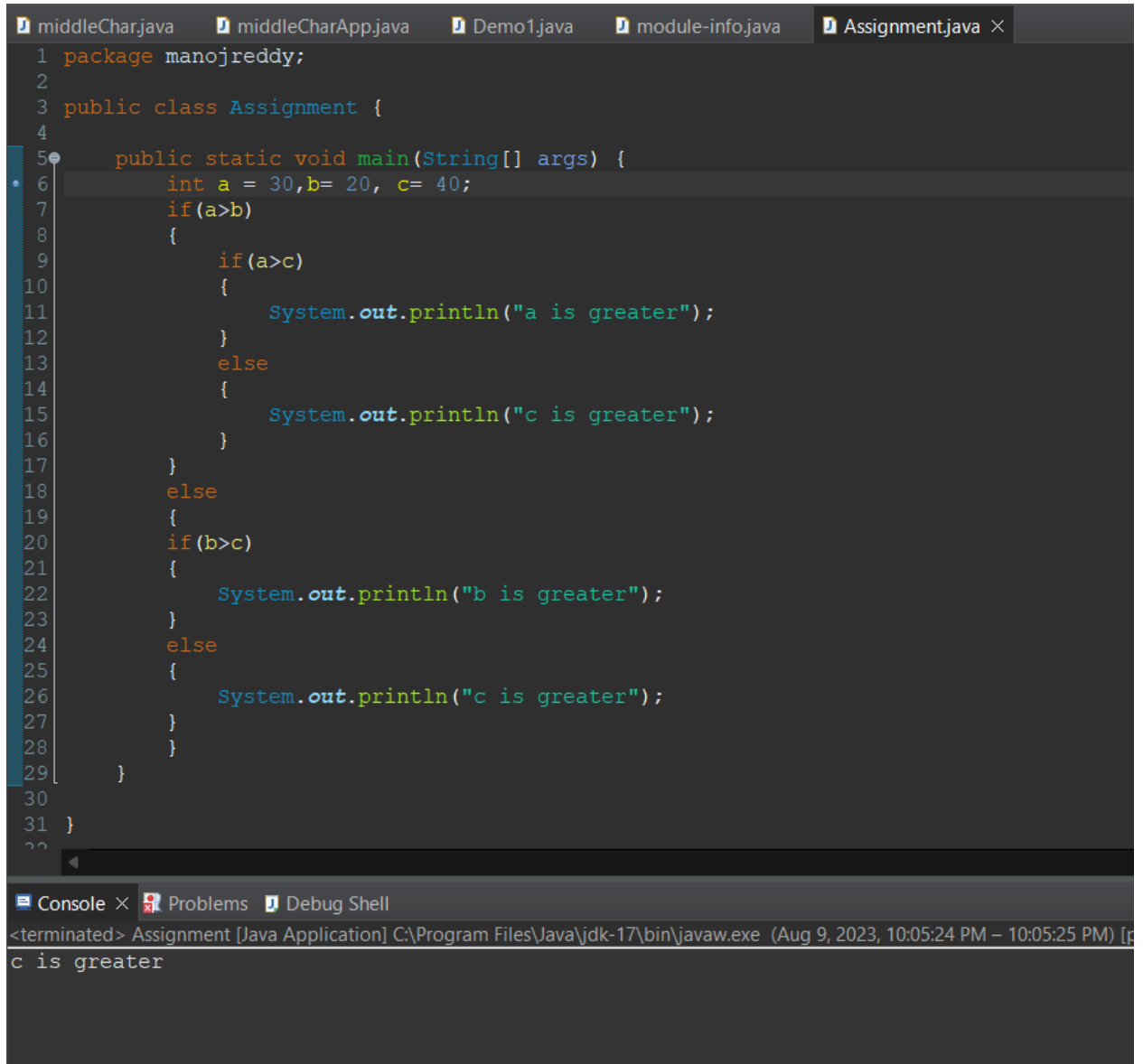
```
1 package elseif;  
2  
3 import java.util.Scanner;  
4  
5 public class License {  
6  
7     public static void main(String[] args) {  
8         Scanner scan = new Scanner(System.in);  
9         System.out.println("enter your age");  
10        int age = scan.nextInt();  
11        boolean License = scan.nextBoolean();  
12        scan.close();  
13        if(age >= 18)  
14        {  
15            if(License)  
16            {  
17                System.out.println("dont pay any fine");  
18            }  
19        }  
20  
21  
22  
23  
24    }  
25  
26 }  
27
```

Console × Problems Debug Shell

```
<terminated> License [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (Aug 9, 2023, 11:34:56 PM – 11:35:0  
enter your age  
19  
true  
dont pay any fine
```

## Nested if-else:

Whenever we define if else block .inside if-else block we define another if else block is known as nested if else



```
1 package manojreddy;
2
3 public class Assignment {
4
5     public static void main(String[] args) {
6         int a = 30, b = 20, c = 40;
7         if(a > b)
8         {
9             if(a > c)
10            {
11                System.out.println("a is greater");
12            }
13            else
14            {
15                System.out.println("c is greater");
16            }
17        }
18        else
19        {
20            if(b > c)
21            {
22                System.out.println("b is greater");
23            }
24            else
25            {
26                System.out.println("c is greater");
27            }
28        }
29    }
30
31 }
```

Console × Problems Debug Shell

<terminated> Assignment [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (Aug 9, 2023, 10:05:24 PM – 10:05:25 PM) [p  
c is greater