

Credit Name: Zubair

Assignment Name: Error code

Error Log Entry

What error message did you encounter (if any)? The program would not compile and stopped before running.

What unexpected behavior did your program exhibit?

This is a type mismatch error (syntax/compile-time error). The code tries to assign "10" (a String) to a variable declared as an int.

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

This is a type mismatch error (syntax/compile-time error). The code tries to assign "10" (a String) to a variable declared as an int.

Include a screenshot of specific lines of code.

How did you fix the issue?

I corrected the assignment by removing the quotes around 10, so it is treated as a number, not a String.

Provide the corrected code or solution using a screenshot.

```
public class ErrorExample {  
    public static void main(String[] args) {  
        int number = 10; // Corrected  
        System.out.println("The number is: " + number);  
    }  
}
```

The screenshot shows the Eclipse IDE interface with the title bar "eclipse-workspace - Chapter 3\iscmastery\ErrorCode.java - Eclipse IDE". The left sidebar displays the "Project Explorer" with a tree view of files including "height.java", "ErrorExample.java", and "Mastery.java". The right pane contains the Java code for "ErrorExample.java":

```
1 package mastery;  
2  
3 public class ErrorExample {  
4     public static void main(String[] args) {  
5         int number = "10"; // X Error: assigning a String to an int  
6         System.out.println("The number is: " + number);  
7     }  
8 }
```

A tooltip is visible over the line "int number = "10";" with the text "Type mismatch: cannot convert from String to int". The status bar at the bottom right shows the date and time: "11:43 AM 8/22/2023".