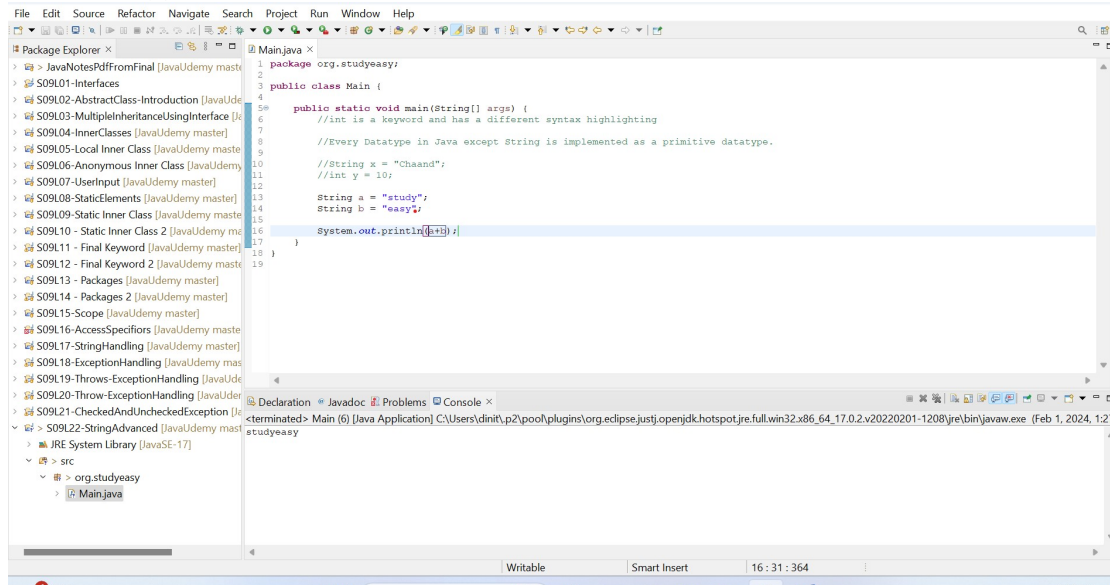


- Strings

- **int** is a keyword and has a different syntax highlighting
- Every Datatype in Java except String is implemented as a primitive datatype.



- String is character array.
- A Confusion with the strings. See below where the if condition; and still confusing output. Instead of getting output as **Great** you get **What just happened**.

```
1 package org.studyeasy;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         //int is a keyword and has a different syntax highlighting
7
8         //Every Datatype in Java except String is implemented as a primitive datatype.
9
10        //String x = "Chaand";
11        //int y = 10;
12
13        String a = "study";
14        String b = "easy";
15        String c = a+b;
16        System.out.println(a+b);
17        if(c == "studyeasy") {
18            System.out.println("Great");
19        } else {
20            System.out.println("What just happened");
21        }
22    }
23 }
24
```

Console Output:

```
<terminated> Main (6) [Java Application] C:\Users\dinit\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-120
studyeasy
What just happened
```

➤ Trying in another way, where you might think == is not capable of handling string operations. See below pic.

```
1 package org.studyeasy;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         //int is a keyword and has a different syntax highlighting
7
8         //Every Datatype in Java except String is implemented as a primitive datatype.
9
10        //String x = "Chaand";
11        //int y = 10;
12
13        String a = "study";
14        String b = "easy";
15        String c = a+b;
16        System.out.println(c);
17        if(a == "study") {
18            System.out.println("Great");
19        } else {
20            System.out.println("What just happened");
21        }
22    }
23 }
24
```

Console Output:

```
<terminated> Main (6) [Java Application] C:\Users\dinit\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-120
studyeasy
Great
```