

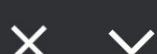
DataTyp...

Output



```
1 // Program 1: Demonstrating Basic Data
  Types
2 public class DataTypesDemo {
3     public static void main(String[]
4             args) {
5         int age = 25;
6         double price = 99.99;
7         char grade = 'A';
8         boolean isStudent = true;
9         String name = "Alice";
10
11         System.out.println("Name: " +
12             name + " (Type: String)");
13         System.out.println("Age: " +
14             age + " (Type: int)");
15         System.out.println("Price: " +
16             price + " (Type: double)");
17         System.out.println("Grade: " +
18             grade + " (Type: char)");
19         System.out.println("Is Student:
20             " + isStudent + " (Type:
21             boolean)");
22     }
23 }
```

Run



DataTyp...

Output



Name: Alice (Type: String)

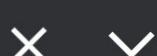
Age: 25 (Type: int)

Price: 99.99 (Type: double)

Grade: A (Type: char)

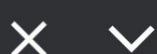
Is Student: true (Type: boolean)

==== Code Execution Successful ===

**Collecti...****Output**

```
1 // Program 2: Arrays and Wrapper  
    Classes  
2 public class CollectionDataTypes {  
3     public static void main(String[]  
        args) {  
4         // Array  
5         String[] fruits = {"Apple",  
                           "Banana", "Cherry"};  
6  
7         // Wrapper Classes  
8         Integer number = 100;      //  
                           // Wrapper for int  
9         Double salary = 2500.75; //  
                           // Wrapper for double  
10  
11        System.out.println("Fruits  
                           Array:");  
12        for (String fruit : fruits) {  
13            System.out.println(fruit);  
14        }  
15  
16        System.out.println("\nWrapper  
                           Class Examples:");  
17        System.out.println("Integer: "  
                           + number);  
18        System.out.println("Double: " +  
                           salary);  
19    }  
20 }  
21 |
```

Run



Programiz

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Programiz PRO

Collecti...

Output



Fruits Array:

Apple

Banana

Cherry

Wrapper Class Examples:

Integer: 100

Double: 2500.75

==== Code Execution Successful ===



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TypeCo...

Output



```
1 // Program 3: Type Conversion and
   Arithmetic Operations
2 public class TypeConversionDemo {
3     public static void main(String[]
4             args) {
5         String num1 = "10";
6         String num2 = "5.5";
7         // Convert String to numeric
8         // types
9         int number1 = Integer.parseInt
10            (num1);
11         double number2 = Double
12             .parseDouble(num2);
13
14         System.out.println("String num1
15             : " + num1 + " -> int: " +
16             number1);
17         System.out.println("String num2
18             : " + num2 + " -> double: " +
19             number2);
20         System.out.println("Sum: " +
21             sum);
22     }
23 }
```

Run



Programiz

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Programiz PRO

TypeCo...

Output



```
String num1: 10 -> int: 10
String num2: 5.5 -> double: 5.5
Sum: 15.5
```

==== Code Execution Successful ===