



DataTyp...

Output



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

Run

10:45



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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

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Collecti...

Output



Fruits Array:

Apple

Banana

Cherry

Wrapper Class Examples:

Integer: 100

Double: 2500.75

=== Code Execution Successful ===



TypeCo...

Output



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

Run

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TypeCo...

Output



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

=== Code Execution Successful ===