Data Types in Java

Data types specify the different sizes and values that can be stored in the variable. There are two types of data types in Java:

1. **Primitive data types:** The primitive data types include boolean, char, byte, short, int, long, float and double.
2. **Non-primitive data types:** The non-primitive data types include Classes, Interfaces, and Arrays.

Java Primitive Data Types

- ○ boolean data type
- ○ byte data type
- ○ char data type
- ○ short data type
- ○ int data type
- ○ long data type
- ○ float data type
- ○ double data type

Java Non-Primitive Data Types

- ○ String
- ○ Array

Program:

```java
public class dataTypes {
    public static void main(String chndn[]) {
        int a = 9;
        char b = 'h';
        String s = "chandan";
        float _abc = 87.5856f;

        double have = 2.8569;
        System.out.println("Type of a is :"+
((Object)a).getClass().getSimpleName());
        System.out.println("Type of b is :"+
((Object)b).getClass().getSimpleName());
        System.out.println("Type of s is
"+s.getClass().getSimpleName());
        System.out.println("Type of abc is :"+
((Object)_abc).getClass().getSimpleName());


    }
}
```

Output:

```
cd "/home/chandan/Programming/JavaProgramming/" && javac dataTypes.java && java dataTypes
chandan@kumar:~/Programming/JavaProgramming$ cd "/home/chandan/Programming/JavaProgramming/" &&
Type of a is :Integer
Type of b is :Character
Type of s is String
Type of abc is :Float
chandan@kumar:~/Programming/JavaProgramming$
```