

Java Data types

Sample Code:

```
import java.io.*;
public class DataTypes      {
    public static void main(String[] args)    {
        byte a = 10;
        short b = 20;
        int c = 30;
        long d = 40;
        float e = 50.5f;
        double f = 60.5d;
        char g = 'A';
        boolean h = true;
        String i = "WikiTechy";
        System.out.println("WikiTechy - Value from different Data Types");
        System.out.println();
        System.out.println();
        System.out.println("\n Byte Value: " + a);
        System.out.println("\n Short Value: " + b);
        System.out.println("\n Integer Value: " + c);
        System.out.println("\n Long Value: " + d);
        System.out.println("\n Float Value: " + e);
        System.out.println("\n Double Value: " + f);
        System.out.println("\n Char Value: " + g);
        System.out.println("\n boolean Value: " + h);
        System.out.println("\n String Value: " + i);
    }
}
```



Code Explanation:

```
import java.io.*;
public class DataTypes
{
    public static void main(String[] args)
    {
        byte a = 10;
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        char g = 'A';
        boolean h = true;
        String i = "WikiTechy";

        System.out.println("WikiTechy - Value from different Data Types");
        System.out.println();
        System.out.println();
```

1 Declaring and [initializing variables](#) with the following code:

```
byte a = 10;
    short b = 20;
    int c = 30;
    long d = 40;
    float e = 50.5f;
    double f = 60.5d;
    char g = 'A';
    boolean h = true;
    String i = "WikiTechy";
```

2 Printing an [empty line](#) for neatness in output.

```
System.out.println("WikiTechy - Value from different Data Types");
System.out.println();
System.out.println();

System.out.println("\n Byte Value: " + a);
System.out.println("\n Short Value: " + b);
System.out.println("\n Integer Value: " + c);
System.out.println("\n Long Value: " + d);
System.out.println("\n Float Value: " + e);
System.out.println("\n Double Value: " + f);
System.out.println("\n Char Value: " + g);
System.out.println("\n boolean Value: " + h);
System.out.println("\n String Value: " + i);
}
```

- 3** Printing each value, assigned to the variable, one by one to the [output window](#) using the below code,

```
System.out.println("\n Byte Value: " + a);
System.out.println("\n Short Value: " + b);
System.out.println("\n Integer Value: " + c);
System.out.println("\n Long Value: " + d);
System.out.println("\n Float Value: " + e);
System.out.println("\n Double Value: " + f);
System.out.println("\n Char Value: " + g);
System.out.println("\n boolean Value: " + h);
System.out.println("\n String Value: " + i);
```

Sample Code:

```
import java.io.*;
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        int c = 30;
        long d = 40;
        float e = 50.5f;
        double f = 60.5d;
        char g = 'A';
        boolean h = true;
        String i = "WikiTechy";

        System.out.println("WikiTechy - Value from different Data Types");
        System.out.println();
        System.out.println();
    }
}
```

```
        boolean h = true;
        String i = "WikiTechy";

        System.out.println("WikiTechy - Value from different Data Types");
        System.out.println();
        System.out.println();

        System.out.println("\n Byte Value: " + a);
        System.out.println("\n Short Value: " + b);
        System.out.println("\n Integer Value: " + c);
        System.out.println("\n Long Value: " + d);
        System.out.println("\n Float Value: " + e);
        System.out.println("\n Double Value: " + f);
        System.out.println("\n Char Value: " + g);
        System.out.println("\n boolean Value: " + h);
        System.out.println("\n String Value: " + i);
    }
}
```



Output:

```
Administrator: Command Prompt

C:\Program Files\Java\jdk1.8.0_66\bin>javac DataTypes.java

C:\Program Files\Java\jdk1.8.0_66\bin>java DataTypes
WikiTechy - Value from different Data Types:

Byte Value: 10
Short Value: 20
Integer Value: 30
Long Value: 40
Float Value: 50.5
Double Value: 60.5
Char Value: A
boolean Value: true
String Value: WikiTechy

C:\Program Files\Java\jdk1.8.0_66\bin>java DataTypes
```

✳ Hence the java datatypes the execution has been done successfully.

