

# Getting Started with Java

## Input & Output of Variables

# What is User Input?

It is possible for the user of a Java program to enter information as the program is running.

This allows the program to respond to the information supplied by the user, which may change each time they run the program.

# User Input – Integers

```
class GetUserAge
{
    public static void main (String [] args)
    {
        // obtain name and age
        System.out.println("What is your age?");

        // declare int variable for age
        // use the getInt() method
        int age = In.getInt();

        // respond to input
        System.out.println("Your age is " + age);
    }
}
```

# User Input – Real Numbers

```
class GetUserGrade
{
    public static void main (String [] args)
    {
        // obtain student grade
        System.out.println("What is your average?");

        // declare double variable for average
        // use the getDouble() method
        double average = In.getDouble();

        // respond to input
        System.out.println("Current Average: "
                           + average + "%");
    }
}
```

# User Input – Text

```
class GetUserName
{
    public static void main (String [] args)
    {
        System.out.println("First name?");
        String firstName = In.getString();

        System.out.println("Last name?");
        String lastName = In.getString();

        // respond to input
        System.out.println("Hello, "
            + firstName + lastName);
    }
}
```