**JAVA DATA TYPES**

**Intro**

* **Non-primitive** data types are also known as **reference/object** data types.

**Primitive Data Types**

* Of 8 types (byte, short, long, int, float, double, Boolean, char)
* **Literal:** Name of a variable.

**Escape Sequence**

***\*All same as in C/C++\****

**Instance Variables**

* Declared **inside class**, **outside method**.
* Default values for number is **0**, Boolean is **false**, object reference is **null**.

**Dynamic Initialization**

* We use ***this*** keyword for it inside methods, also known as **settler method**.
* **Narrowing:** Converting a higher size data type to lower size data type.

**Left Shift Operator**

10 << 2 = 10\*(2^2) = 10\*4 = 40 = 101000

**Bitwise Operator**

***\*All same as in C/C++\****

**Ternary Operator**

variable x = (expression) ? value if true : value if false