

## Assignment Question Day 7

### Q1. What is statically typed and dynamically typed Programming Language?

A1. **Dynamically-typed** -> languages perform type checking at runtime

**Statically typed** -> languages perform type checking at compile time.

### Q2. What is the Variable in java?

A2. A variable is a container which holds the value while the **Java program** is executed. A variable is assigned with a data type. Variable is a name of memory location. There are three types of variables in java: local, instance and static.

### Q3. How to assign a value To Variable?

A3. Type variableName = value; Where type is one of Java's types (such as int or String), and variableName is the name of the variable (such as x or name). The equal sign is used to assign values to the variable.

### Q4. What are Primitive Data types in java?

A4. Primitive data types - includes **byte, short, int, long, float, double, Boolean and char**.

### Q5. What are the Identifiers in Java?

A5. Identifiers in Java are **a sequence of characters to identify something in a program**. They are names given to a class, variable, package, method, or interface and allow the programmer to refer to the specific item from any place in the program

### Q6. List the Operators in java?

A6. Unary Operator, Arithmetic Operator, Shift Operator, Relational Operator, Bitwise Operator, Logical Operator, Ternary Operator and. Assignment Operator.

### Q7. Explain about Increment and Decrement operator and give an examples?

A7. **Increment Operator** ->

Syntax for the pre increment operator:  $X = ++a$ ; Syntax for the post increment operator:  $X = a++$ ;

**Decrement Operator** ->

Syntax for the pre decrement operator:  $X = --a$ ; Syntax for the post decrement operator:  $X = a--$ ;