# Java Variables and Data types

## **Assignment Questions**





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- 1. What is statically typed and Dynamically typed Programming Language?
- 2. What is the variable in Java?
- 3. How To Assign a Value To Variable?
- 4. What are Primitive Data types in Java?
- 5. What are the Identifiers in Java?
- 6. List the Operators in Java?
- 7. Explain about Increment and Decrement operators and give an examples

**Note:-**Please create a Google Document and write your answers and upload the shareable link of the Google Document with view access during the submission of the assignment.

#### **Answers:**

- 1. Allocation of memory for declared variable happens at compilation time called statically typed. Allocation of memory for declared variable happens at compilation time called dynamically typed.
- 2. Variable is a container used to store the data.
- 3. Using the assignment operator we assign values to the variable Syntax:

type variable-name = value;

Example: int a = 10;

- 4. Primitive data types are predefined in java such as byte, int, short, float, double, and char.
- 5. Unique names were given to the variable. Those unique names are called identifiers.
- 6. **Operators** in java are
  - a. Assignment operator. (=)
  - b. Arithmetic operators. (+,-,\*,/,%)
  - c. Bitwise operators.(&&,||,!)
  - d. Conditional operator.(if)
  - e. Logical operators. (AND, OR, NOT)
  - f. Relational operators.(<,>,<=,>=,)
  - g. Increment and Decrement operator.
  - h. Ternary operator.

#### 7. Increment operator:

Used to increase the value of the variable by 1.

a. Pre-Increment:

b. Post-Increment:

#### **Decrement operator:**

Used to decrease the value of the variable by 1.

a. Pre-Decrement:

b. Post-Decrement: