**JAVA VARIABLES AND DATA TYPES**

**1. What is statically typed and Dynamically typed Programming language?**

**Ans:** (a)Statically typed: Statically typed is a programming language characteristic in which variable types are explicitly declared and thus are determined at compile time.

(b) Dynamically typed: Dynamically-typed languages are those (like JavaScript) where the interpreter assigns variables a type at runtime based on the variable's value at the time.

**2. What is the variable in JAVA?**

**Ans:** Variables are containers for storing data values.

**3. How to assign a value to variable?**

**Ans:** type variableName = value.

**4. What are Primitive Data types in JAVA?**

**Ans:** Primitive data types - includes byte , short , int , long , float , double , boolean and char.

**5. What are the Identifiers in JAVA?**

**Ans:** Identifiers in Java are names that distinguish between different Java entities, such as classes, methods, variables, and packages.

**6. List the operators in JAVA?**

**Ans:** Java supports the following types of operators:

Arithmetic Operators, Assignment Operators, Logical Operators, Relational Operators, Unary Operators, Bitwise Operators, Ternary Operators, Shift Operators.

**7. Explain about increment and decrement operators and give an examples.**

**Ans:** Increment and decrement operators are unary operators that add or subtract one, to or from their operand, respectively.

Example:

while (i<5){

i++

}