

## PW ASSIGNMENT (FUNDAMENTALS OF JAVA)

**QUESTION → What is statically & Dynamically typed programming language?**

Answer → A language is statically typed if the type of a variable is known at compile time.

& if the type of variable is not known at the compile time like PYTHON language then it is called dynamically typed programming language.

**Java is statically typed language.**

**QUESTION → What is a variable in java?**

**Answer →** Variable in Java is a data container that saves the data values during Java program execution. Every variable is assigned a data type that designates the type and quantity of value it can hold.

**QUESTION → How to assign a value to a variable?**

Answer → below is the syntax

[data type] [variable name] = [value of the variable] ;

**QUESTION → What are primitive data types in java?**

ANSWER → The data types which are pre defined by the compiler are primitive data types . examples are – int , float , char , String , long , short .

**QUESTION → What are Identifiers in java?**

ANSWER → In programming languages, identifiers are used for identification purposes. In Java, an identifier can be a class name, method name, variable name, or label. Example→

public class Test

{

public static void main(String[] args)

{

int a = 20;

} }

In the above java code, we have 5 identifiers namely :

- **Test** : class name.
- **main** : method name.
- **String** : predefined class name.
- **args** : variable name.
- **a** : variable name.

**QUESTION → List the operators in java?**

ANSWER → java provides many types of operators, some of them are --

- Arithmetic Operators
- Unary Operators
- Assignment Operator
- Relational Operators
- Logical Operators
- Ternary Operator
- Bitwise Operators
- Shift Operators
- instance of operator

**QUESTION → Explain about increment & decrement operators with examples?**

ANSWER → INCREMENT OPERATOR –

Pre increment operator → ++a;

Post increment operator → a++;

Example → int a=5;

a++;

System.out.println(a); // 6

++a;

System.out.println(a); // 7

DECREMENT OPERATOR –

Pre decrement operator → --a;

Post decrement operator → a--;

