

1. What is statically typed and dynamically typed programming language?
2. What is a variable in java?
3. How to Assign a Value to a Variable?
4. What are the primitive datatypes in java?
5. What are the identifiers in java?
6. List the operators in java?
7. Explain about the increment and decrement operators and give examples?

1(Ans) . In statically typed programming language we **have** to mention the datatype of the variable which we have declared.

And dynamically typed programming language is we **have not** mentioned the datatype of the variable.

2(Ans) . A variable is a container that holds the value of the program. A variable is the title of the reserved region allocated in memory. In other words, it may be referred to as the name of the memory location.

3(Ans) . We assign a value to a variable by = (this operator).

4(Ans) . There are 7 primitive data types in java.

In whole number there are 4 data types in java.

- a. **Byte**
- b. **Short**
- c. **Int**
- d. **long**

In real number there are 2 data types in java

- a. **Float**
- b. **Double**

In character there are 1 data type in java

- a. **char**

5(Ans) . An identifier is a name given to a package, class, interface, method, or variable. All identifiers must have different names in java.

- a. All identifiers should begin with a letter (A to Z or a to z), \$ and \_ and must be unique.
- b. After the first character/letter, identifiers can have any combination of characters
- c. A keyword cannot be used as an identifier
- d. The identifiers are case sensitive
- e. White Spaces are not permitted.

6(Ans) . There are 6 types of operators in java.

- a. Arithmetic operators
- b. Relational operators
- c. logical operators
- d. Assignment operators
- e. Unary operators
- f. Bitwise operators

7(Ans) . There are two types of increment and decrement operators in java.

- a. Post increment(a++)
- b. Pre increment(++a)
- c. Post decrement(a--)
- d. Pre decrement(--a)

```
public class increment_Decrement {  
    public static void main(String[] args) {  
        int a = 5;  
        int b = ++a +a++ + ++a + --a + a-- + ++a;  
        System.out.println(a);  
        System.out.println(b);  
    }  
}
```

This is the example of increment and decrement operators in java.