

Java variables and datatypes Assignment

Assignment (5)

1. What is statically typed and Dynamically typed programming language?

Ans:- Statically typed programming language are those language in which datatype should be declare at the time of variable declaration it means memory allocated at the compile time itself, Java , c, c++ etc. languages are the example of statically typed programming language. And Dynamically typed programming language are those language in which datatype should not necessarily defined at the time of variable declaration it means memory allocated at the runtime , python, javascript etc are the example of dynamically typed programming language.

2. What is the variable in java?

Ans:- Variable basically works as a container in which we can store any value for our program. A value should assign into a variable. Variable refer the location of memory in which our value is stored. When we want to use the value in our program, we have to use that variable for any operation. Variable will contain a single value in primitive datatype.

3. How to assign a value to variable?

Ans:- For assigning a value to variable , there is 4 things we have to need

- a. DataType
- b. A suitable name for variable
- c. Assignment operator
- d. Value

Below is the example of variable assignment:-

```
int id = 12;
```

4. What are primitive data types in java?

Ans:- Primitive data types in java are follows:-

- a. Short type
- b. Byte type
- c. Int type
- d. Long type
- e. Double type
- f. Float type
- g. Char type
- h. Boolean type

5. What are the identifiers in java?

Ans:- Identifiers in java are the names of entities of java, such as class, method, interface, variable etc. the name which can be used by a programmer to indicate anything in programming. All those names are called identifiers. Identifiers should not be a reserved keyword of java.

6. List the operators in java?

Ans:- These are the lists of operators in java:-

- a. Arithmetic operator
- b. Relational operator
- c. Logical operator
- d. Bitwise operator
- e. Unary operator
- f. Assignment operator

7. Explain about increment and decrement operators and give examples?

Ans:- Increment operators are the operators in java which are used for increasing the value by one of any variable, and decrement operators are the operators in java which are used for decreasing the value by one of any variable.

Example:-

```
int run=12;  
//using increment operator  
run=run+1;  
//using decrement operator  
run = run-1;
```