

Java Variables and Data types

Assignment Questions

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

There are two main differences between dynamic typing and static typing that you should be aware of when writing transformation scripts.

First, dynamically-typed languages perform type checking at runtime, while statically typed languages perform type checking at compile time.

2. what is the variable in java ?

A variable is a container which holds the value while the java program is executed. A variable is assigned with a data type.

Variable is a name of memory location. There are three types of variables in java: local, instance and static.

3. How to assign value to variable ?

To assign a value to the variable ,use the equal sign :
carname="volvo",you can also assign a value to the variable when you declare it : carname="volvo".

4. what are primitive data types in java?

Primitive data types: The primitive data types include boolean, char, byte, short, int, long, float and double.

5. what are identifiers in java?

An identifier is a name given to a package, class, interface, method, or variable. All identifiers must have different names.

6 List the operators in java?

Operators in Java can be classified into 6 types:

1. Arithmetic Operators
2. Relational Operators
3. Logical Operators
4. Assignment Operators
5. Unary Operators
6. Bitwise Operators

7. Explain about increment and decrement operator and give an examples

Increment operator is used to increase the value of the operand by 1 where is the decrement operators is used to decrease the value of the operand by 1. the increment operator and decrement operators can be used in both the prefix and post fix position of the operand.

Example:

```
class Main {  
    public static void main(String[] args) {  
        int a = 5, int b = 6;  
        int c = a++;  
        int d = ++a;  
        int e = b--;  
        int f = -b;  
  
        System.out.println(c);  
        System.out.println(d);  
        System.out.println( e);  
        System.out.println(f);  
    }  
}
```

Output:

5
7
6
4