Q- How many kinds of variables in Java?

Ans- **What does each Java variable consist of?**

Local variable: This is a variable that is declared inside the body of a method.

Instance variable: This Java variable is defined without the STATIC keyword, but as outside of a method declaration. They are object-specific variables, which is why they are known by this name.

Static variable: This variable is initialized only once, just when the program execution starts. It is the variable that should be initialized first, especially before an instance variable is initialized.

Q- **Which variables have no default values?**

Explanation: There is no default value for local variables, so local variables should be declared and an initial value should be assigned before the first use .

#### **Fundamentals of Java quiz**

8 out of 13 correct

1.

Java is a\_\_\_\_\_\_\_\_language

* weakly typed
* strongly typed(Dynamically typed Language)
* moderate typed
* None of these

2.

\_\_\_\_\_\_\_ represents an entity in the real world that can be distinctly identified.

* class
* method
* object
* variable

3.

An object is an instance of a \_\_\_\_\_\_\_.

* method
* data
* String
* class

4.

The keyword used to declare a class is

* java
* jav
* class
* Class

5.

An Arithmetic expression in Java involves which Operators or Operations?

* Addition (+), Subtraction (-)
* Multiplication (\*), Division (/)
* Modulo Division (%), Increment/Decrement (++/--), Unary Minus (-), Unary Plus (+)
* All the above

6.

When will the object be created in java ?

* at run time
* at compile time
* anytime
* never

7.

What is the extension of java code files?

* .js
* .txt
* class
* .java

Explanation: Java files have .java extension.

8.

What does a Data Type in Java refer to?

* The place where data is stored
* The technique how data is retrieved
* The type or variety of data being handled for reading and writing
* None of the above

Explanation: Integers, Real numbers, Boolean, Characters etc

9.

How many kinds of variables in Java?

* 2
* 3
* 4
* 5

Explanation: There are three kinds of variables in Java : Local variables, Instance variables and Class/Static variables.

10.

Which variables have no default values?

* Static Variables
* Instance Variables
* Local Variable
* Both A and B

Explanation: There is no default value for local variables, so local variables should be declared and an initial value should be assigned before the first use.

11.

Which of the following can be operands of arithmetic operators?

* Characters
* Boolean
* Numeric
* Both Numeric & Characters

Explanation: The operand of arithmetic operators can be any of numeric or character type, But not boolean.

12.

Modulus operator, %, can be applied to which of these?

* Both Integers and floating - point numbers
* Integers
* Floating - point numbers
* None of the mentioned

Explanation: Modulus operator can be applied to both integers and floating point numbers..

13.

Which of these statements are incorrect?

* Assignment operators can be used only with numeric and character data type
* Assignment operators are more efficiently implemented by Java run-time system than their equivalent long forms
* Assignment operators run faster than their equivalent long forms
* None of the mentioned

Explanation: None of the mentioned.

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