

Core Java

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What is Variables in Core Java

- A variable is just like a container which use for holds the any kind of value while the Java program is executed.
and
- Every variable is assigned with a data type.
- For program variable is just a name of memory location.

Types of Variables in Core Java

There are three types of variables in java:

local, instance and static.

- Local:- it's declared inside the body or method and class and we can call local.
- Instance:- it's declared inside of class but outside the body of method
- static:- it's declared as static and its not be use as local and instance .memory allocation for static variable happens only once when class is loaded memory.

Data Types in Core Java and Type

- Data types is use to specify the different sizes and values that can be stored in the variable value.

There are two types of data types in Java:

- Primitive data types
- Non-primitive data types

Primitive data types: it's have include Boolean, char, byte, short, int, long, float and double.

Non-primitive data types: it's have include Classes, Interfaces, and Arrays.

Types Of Java Primitive Data Types

- Boolean data type
- byte data type
- char data type
- short data type
- int data type
- long data type
- float data type
- double data type

<i>Data Type</i>	<i>Default Value</i>	<i>Default size</i>
Boolean	false	1 bit
char	'\u0000'	2 byte
byte	0	1 byte
short	0	2 byte
int	0	4 byte
long	0L	8 byte
float	0.0f	4 byte
double	0.0d	8 byte