

Variable and Data Types in Java

Variable is a name of memory location.

There are three types of variables: Local, Instance and Static.

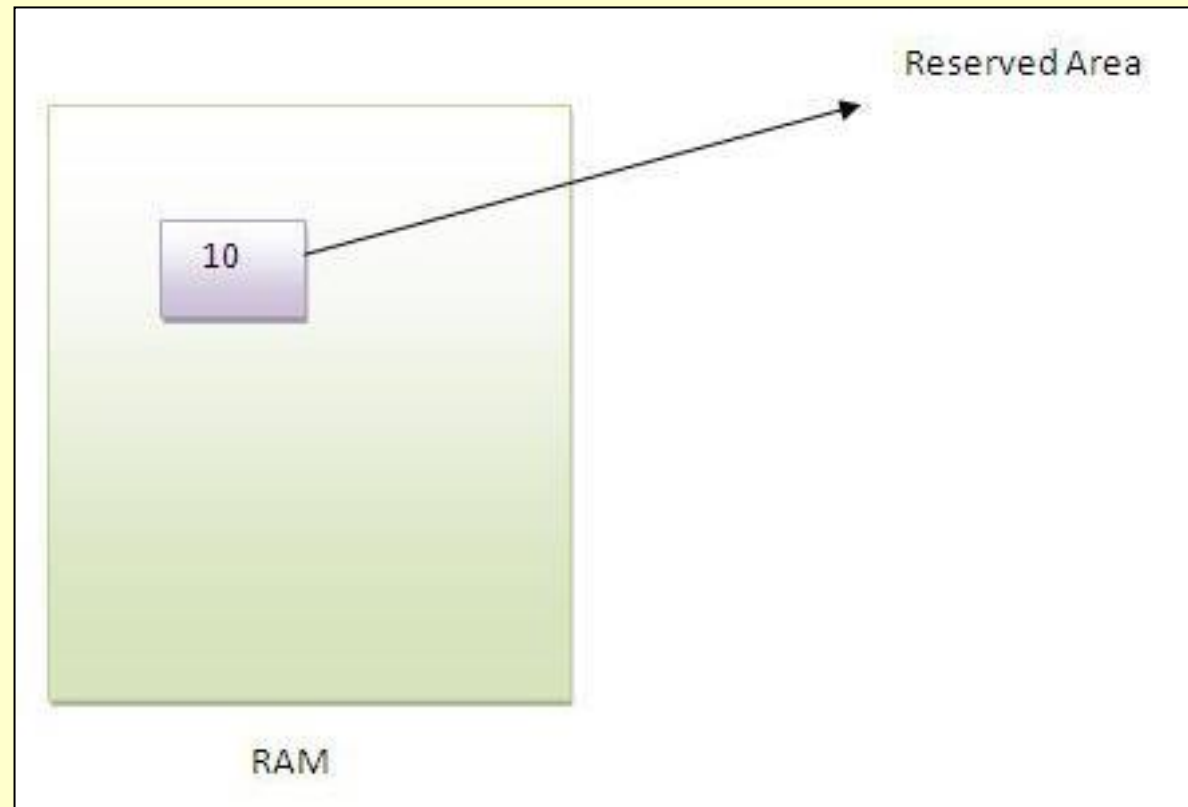
There are two types of data types in Java, Primitive and Non-primitive.

Variable :

Variable is name of reserved area allocated in memory.

```
int data=50; //
```

Here data is variable



There Are Three Types Of Variables In Java

**Local
Variable**

**Instance
Variable**

**Static
Variable**

Local Variable :

A variable that is declared inside the method is called local variable.

Instance Variable :

A variable that is declared inside the class but outside the method is called instance variable. It is not declared as static.

Static Variable :

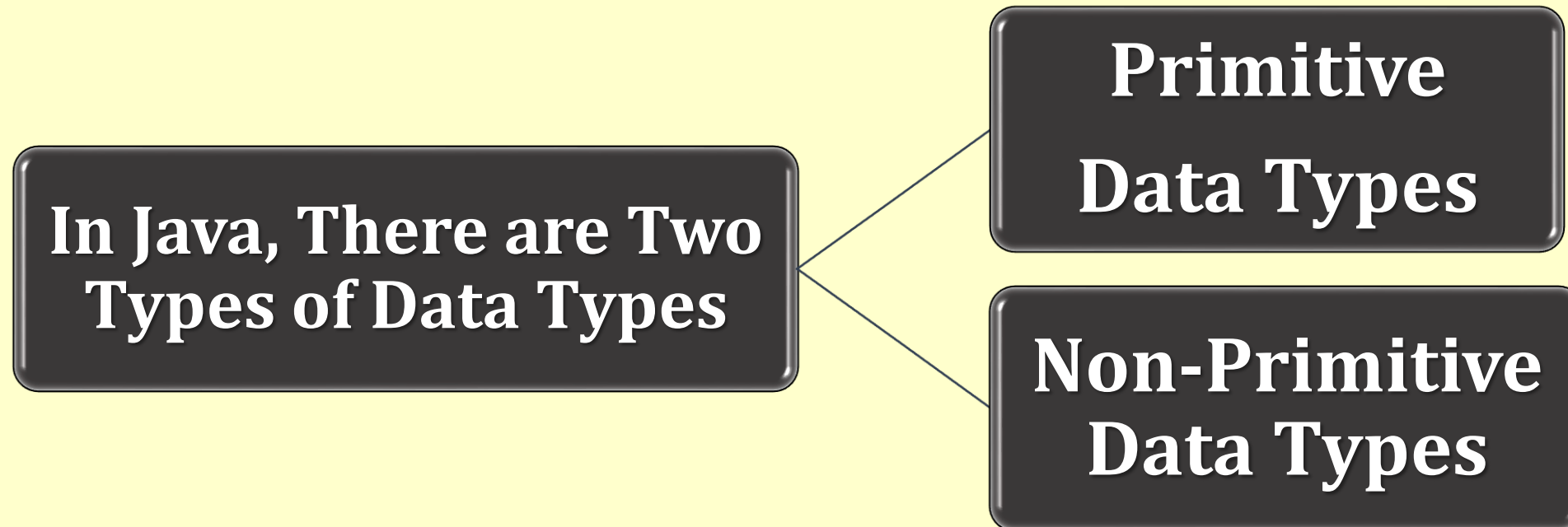
A variable that is declared as static is called static variable. It cannot be local.

We will have detailed learning of these variables in next chapters.

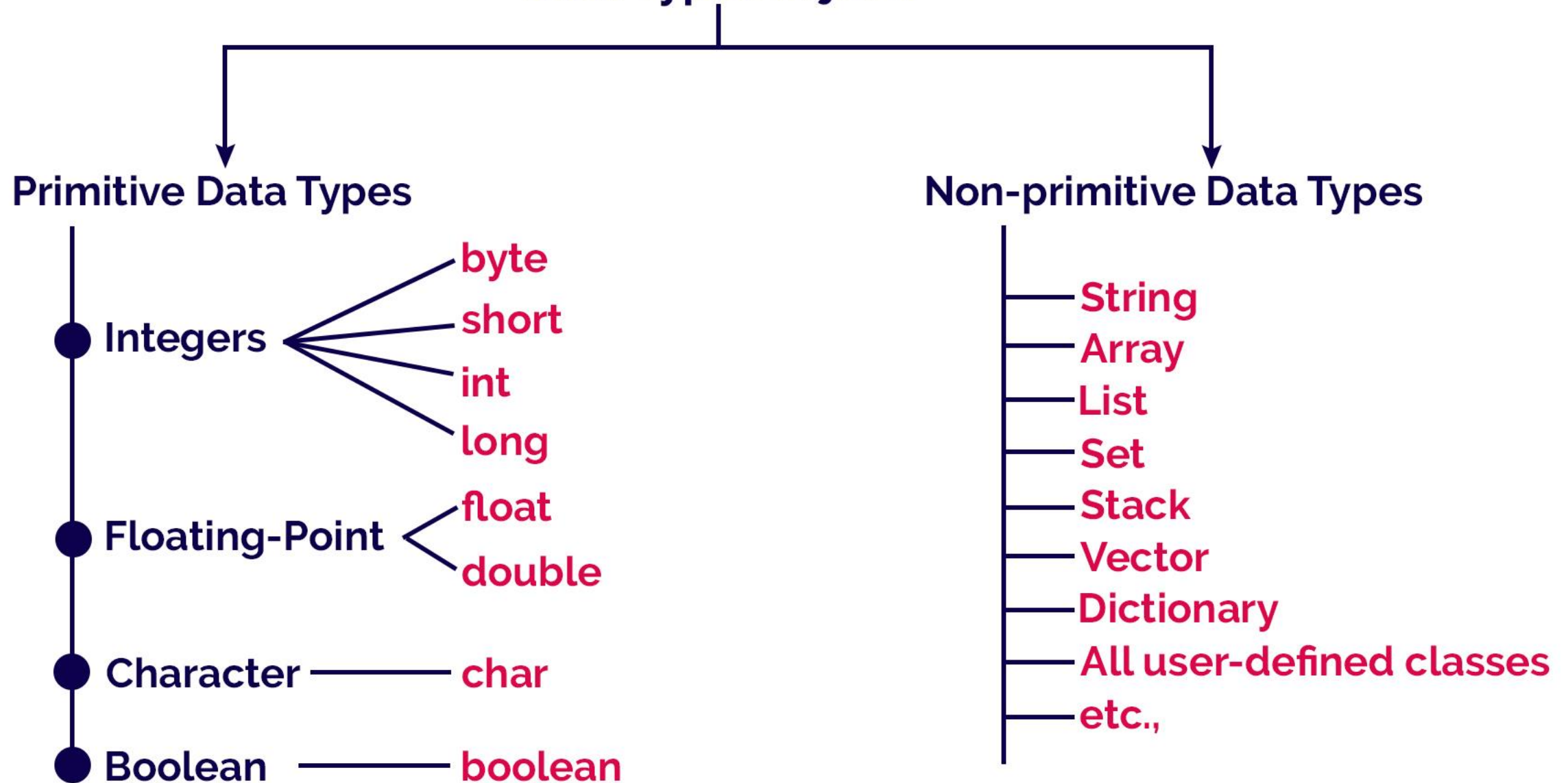
Example to understand the types of variables

```
class A{  
  
    int data=50;//instance variable  
  
    static int m=100;//static variable  
  
    void method(){  
        int n=90;//local variable  
    }  
  
} //end of class
```

Data Types in Java



Data Types in java



Data Type

Default Value

Default Size

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