**Function Return Type**

The **return type** (or **result type**) defines and constrains the data type of the value returned from method.

Any method that is not declared void must contain a **return statement** with a corresponding return value, like this: **return return Value**; the data type of the return value must match the method's declared return type; you can't return an **integer value** from a method declared to return a **Boolean**.

* Method signature includes this return type.
* public int show(){ // }
* We will use methods to do a particular task after completion of task if we want to return something to the calling place these return types will be used.
* Based on the type of data to be returned will mention it as int, char, float double etc as return type in method signature and return statement should be the last statement of the method body.

# A method can also return a reference type. For example, in a program to manipulate Bicycle objects, we might have a method like this:

public Bicycle seeWhoisFastest(Bicycle myBike, Bicycle yourBike,

Environment env) {

Bicycle fastest;

// code to calculate which bike is

// faster, given each bike's gear

// and cadence and given the

// environment (terrain and wind)

return fastest;

}

**Use of String [] args in main function**