**Problem Statement-7**

**Can you overload a method with same return type.? Explain your answer with proper logic.**

**Solution:**

If a class has multiple methods having same name but different in parameters, it is known as **Method Overloading**.

If we have to perform only one operation, having same name of the methods increases the readability of the program.

Suppose we have to perform addition of the given numbers but there can be any number of arguments, if we write the method such as a(int,int) for two parameters, and b(int,int,int) for three parameters then it may be difficult for us as well as other programmers to understand the behaviour of the method because its name differs.

So, we perform method overloading to figure out the program quickly.

Advantage of method overloading

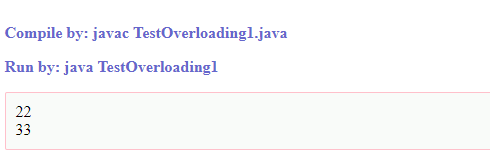
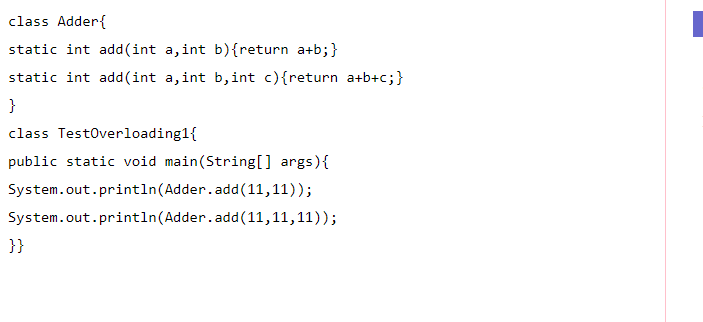
Method overloading *increases the readability of the program*.

Different ways to overload the method

There are two ways to overload the method in java

1. By changing number of arguments
2. By changing the data type

**Yes , we can overload a method with same return type.**

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