**Assignment 4.1**

**Problem 7 -** Can you overload a method with same return type? Explain your answer with proper logic

**Ans-**

Yes you can overload a method with same return type.

This is so because while compilation, the java compiler does not consider return type when differentiating methods. It only considers the method name and its input parameters while differentiating methods.

And method overloading means, having two or more methods in a class with the exact same name but different parameter types or different number of parameters or both.

**Hence a method can be overloaded either with same return type or with different return type. The only condition is that the input parameters in overloaded methods should be different**.