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Homework 3

1. What is a method?

It is a named sequence of statements. It has a name and a body. The method body contains the actual statements to be run when the method is called. It can be given some data for processing and can return information (because of the processing). It is a fundamental and a powerful mechanism.

1. What does a return statement do?

A return statement allows the method to return information. It consists of the keyword return followed by an expression that specifies the returned value and a semicolon.

1. What is an expression bodied method?

Expression bodied method are simple, perform a single task or return the results of a calculation without involving any additional logic. They use the => operator to reference the expression that forms the body of the method and the absence of a return statement. The value of the expression is used as the return value. If the expression does not return a value, then the method is void.

1. What is the scope of a variable?

When a variable can be accessed at a particular location in a program, the variable is said to be in *scope* at that location.

1. What is an overloaded method?

If two identifiers have the same name and are declared in the same scope, they are said to be *overloaded*

1. How do you call a method that requirements arguments?

By using array arguments.