# CS 4250 PROGRAMMING LANGUAGES FALL 2018

**KEY TO QUIZ #7 [7 points]**

1. Indicate where formal parameters of the subprogram are specified.

*Answer:*

Formal parameters are specified in a subprogram header, which is the first line in a subprogram definition.

1. Explain the concept of the overloaded subprogram.

*Answer:*

An overloaded subprogram is one that has the same name as another subprogram in the same referencing environment.

1. Fill in the blanks in the following statements:
2. A subprogram *definition* describes the interface to and actions of the subprogram abstraction.
3. A subprogram *call* is the explicit request that a specific subprogram be executed.
4. The *parameter profile* of a subprogram contains the number, order and types of its formal parameters.
5. A *generic*  subprogram is one whose computation can be done on data of different types in different calls.
6. A *coroutine* has multiple entry points; it also has the means to maintain its status between activations.