Essential knowledge:

- precondition are a statement that must be true prior to the execution of a method in order for it to behave as expected
    - method will not check to ensure preconditions are satisfied
- postcondition are a statement that must be true after the execution of a method, describes outcome and return value
- void method does not return a value, method header must contain void keyword before method name
- values in method call are matched to corresponding parameters in order they are included in method call and method signature
- values passed into parameters from a call must be a compatible data type with the corresponding parameter

Standards:

Write or identify a correct method call given specifications about method inputs

Implement a method that returns a value and/or has parameters

Essential questions:

- Non-void methods must contain a return expression compatible with return type in header, copy of value is returned
- Non-void methods return one value
- method will exit after return statement, control returned to point immediately following method call
- primitive parameters are initialized with a copy of the value of the variable passed into method
- the scope of a variable begins in the line in which the variable is declared and continues until the end of the block
- two local variable with the same name cannot have overlapping scope
- method signature is method name and list of parameters

Standards:

Write or identify a correct method call given specifications about method inputs and return type

Implement a method that returns a value and/or has parameters

Determine the value of variables passed into a method after the program is finished executing

Identify the scope of a variable