**Assignment-3**

**1a)** it need for duplicate code. This makes easier to read,programs shorter, and easier to update

**2a)** function executes when the function is called, not when the function is defined.

**3a)** The def statement defines (that is, creates) a function.

**4a)**

Function: function consists of the def statements.

→the code in its def clause.

Calling function: A function call is what moves the program execution into the function

→ it evalutes function return values

**5a)**

→ There is one global scope

→ local scope is created whenever a function is called.

**6a)** → the local scope is destroyed

→ all the variables in it are forgotten.

**7a)**  A return value is the value that a function call evaluates to.

→ a return value can be used as part of an expression.

**8a)** If there is no return statement for a function

→ its return value is None.

**9a)** A global statement will force a variable in a function to refer to the global variable.

**10a)** data type of None is NoneType.

**11a)** global statement will force a variable in a function to refer to the global variable.

→ That import statement imports a module named areallyourpetsnamederic .

**12a)** This function can be called with spam. bacon().

**13a)**  → Try running the program

→ it should throw an error message instead of crashing the program

**14a)** The try block lets you test a block of code for errors.

→ The except block lets you handle the error.