**assignment\_1**

1- values are : 'hello' ; 6 expression are : - ; / ; +

2) String is just a type of variable.It's written between quotes However,variable is a reserved memory location to store values.

3-

1) Int – It stores the integers values that can be positive or negative and do not contain any decimal point.

2) Float – These are floating-point real numbers that stores the decimal values. It consists of integer and fraction parts.

3) Complex – These are complex numbers specified as a real part and an imaginary part

4- An expression is a construct made up of variables, operators, and method invocations, which are constructed according to the syntax of the language, that evaluates to a single value. 5- An “expression” is a combination of values and functions that are combined and interpreted by the compiler to create a new value, as opposed to a “statement” which is just a standalone unit of execution and doesn't return anything.

6- bacon = 22 bacon+1 After running this code, the variable bacon will contains 22 as value

7-The folowing two types will be the same values that are : 'spamspamspam' 'spam'+'spamspam' 'spam'\*3 8- The expression causes an error because 99 is an integer, and only strings can be concatenated to other strings with the + operator.

9- The three functions are: The int() functions will evaluate to the integer, float() functions will evaluate to the floating-point , and str( )will evaluate the string

10- 'I have eaten ' + 99 + ' burritos.' This expression cause an error because we can't concatenate str and int. to fix this issue, we must do Type casting. The right code is: 'I have eaten ' + str(99) + ' burritos.'