1.	In the below elements which of them are values or an expression? eg:- values can be integer or string		
	and expressions will be mathematical operators.		
	*		
	'hello'		
	-87.8		
	-		
	+		
	6		
	Ans:		
	Value	Expression	
	'hello'	*	
	-87.8	-	
	6	/	
		+	
2.	What is the difference between string and variable? Ans: String is a data that is stored in a variable with enclosed " ", whereas variable is the identifier of		
	the location where data is stored, that can be accessed and manipulated through variable.		

3. Describe three different data types.

<u>Ans:</u> int type for integers, float type for decimals and string type for storing a long expression that can consists of numbers, operators, special characters and alphabets enclosed within "".

4. What is an expression made up of? What do all expressions do?

<u>Ans:</u> Expression is made of numbers, variables, mathematical operators and method invocation to evaluate value of unknown variables.

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

Ans: An expression is a mathematical function to evaluate value of a variable, whereas a statement is like a command that a python interpreter executes like print.

6. After running the following code, what does the variable bacon contain?

bacon=22

bacon+1

Ans: bacon variable consists the value 23.

7. What should the values of the following two terms be?

```
'spam'+'spamspam'
```

'spam'*3

Ans: 'spam'+'spamspam' will give 'spamspamspam' since this will concatenate the two strings. 'spam'*3 will concatenate the string three times and its value will be 'spamspamspam'.

8. Why is eggs a valid variable name while 100 is invalid?

<u>Ans:</u> In python variable name cannot start with number or special character (except _) it should always start with alphabet.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Ans: for integer version of a value: int()

for floating-point number version of a value: float()

for string version of a value: str()

10. Why does this expression cause an error? How can you fix it?

'I have eaten' + 99 + ' burritos.'

Ans: The concatenation can only happen between string to string or string to char.