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.

*	expressions
'hello'	string
-87.8	integer(values)
-	expressions (mathematical operators)
/	expressions (mathematical operators)
+	expressions (mathematical operators)
6	integer(values)

2. What is the difference between string and variable?

A String is usually words, enclosed with " ".

A Variable is a store of information, and a string is a type of information you would store in a Variable.

3. Describe three different data types.

1. Text type
2. Boolean type
3. Numeric type

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

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.

A sequence of operands and operators, like a + b - 5, is called an expression.

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

Expression is made up of values, containers, and mathematical operators (operands) and the statement is just 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

>>>23

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

'spam' + 'spamspam' >>> spamspamspam

'spam' * 3 >>> spamspamspam

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

Egg is string and 100 is integer and we cant assign integer as variable

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

str()

int()

float()

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

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

String and integer can not be added but we can fix it by converting integer as string(typecasting) as

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

>>> I have eaten99burritos