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.

\* --Expression

'hello'—String (Values)

-87.8--Integer

/ --Expression

+--Expression

6 --Integer

2. What is the difference between string and variable?

-- Strings are data, we can use them to fill up a variable. Whereas Variables are symbols that we can use to store data in to a programming.

3. Describe three different data types.

Integers, Strings, Booleans etc…

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

-- An expression is a combination of operators, constants and variables. An expression may consist of one or more operands, and zero or more operators to produce a value.

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

--If we can execute it or print it or assign it to a variable, It is called an Expresssion. If we cannot, it is a Statement.  Every expression can be used as a statement, but most statements cannot be used as expressions.

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?

--Variables name cannot starts with a number.

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

-- Int(), Float(), Str()

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

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

--‘I have eaten’+ ‘99’+ ‘burritos’

It can only concatenate ‘str’ to ‘str’.