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' values

-87.8 values

- Expression

/ Expression

* Expression

6 values

2. What is the difference between string and variable?

Ans: String is a type of data that should be kept within “ ”.  
but variable is a type of space where we can store any information.

3. Describe three different data types.

Ans. Different data types are-  
1. String which is a alphanumerical data  
2. integer which contains only whole numbers  
3. Float which contains all fractions and decimal numbers  
4. Boolean which contains only two info, true and false

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

Ans. Expressions are different types of mathematical operators.  
Expressions do different kinds of mathematical operations.

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

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

bacon = 22

bacon + 1

Ans: 22

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

'spam' + 'spamspam'

'spam' \* 3

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

Ans: Because variable name can’t contain only numerical digits.

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

Ans:

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

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

Ans: 'I have eaten 99 burritos.'