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.

\* - Values

'hello'- Values

-87.8- Values

- Expression

/ - Expression

* Expression

6 Values

2. What is the difference between string and variable?

**Ans** String -data type

**Ans** Variable- place holder to keep value

3. Describe three different data types.

**Ans** String , integer , float

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

**Ans**- Expression made up of regular or arithmetic. Arithmatic expression like +, \*, / , - (add , multiply , division , subtraction).

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

**Ans=**'spamspamspam'

**Ans=**'spamspamspam

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

**Ans**- eggs is an alphanumeric where is 100 is literal

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

**Ans**- type()

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

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

**Ans**- It will throw error – only can concatenate string

Fix- 'I have eaten ' + ‘99’ + ' burritos.'