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' - value

-87.8 -value

- - expression

/ -expression

* -expression

6 - value

2. What is the difference between string and variable?

Ans: string is the data type of a variable. Variable is the memory location which is used to store values.

3. Describe three different data types.

1.Integer 2.Float 3.complex number

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

Ans: expression is made up of numbers,alphabets,operators,etc.

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

Ans: spam=10 is an expression

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

bacon = 22

bacon + 1

ans:23

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

'spam' + 'spamspam'

'spam' \* 3

Ans:spamspamspam and spamspamspam

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

Ans:variable name cant be a number.

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

Ans:int(),float() and str().

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

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

Ans:’I have eaten’ and ‘burritos’ are strings.While 99 is and integer.

To perform the operation we can convert 99 variable from integer to string by using str(99).