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.

\* : Arithmetic operator(Multiplication)

'hello' : string

-87.8 : float

- : Arithmetic operator(subtraction)

/ : Arithmetic operator(Division)

* : Arithmetic operator(Addition)

6 : Integer

2. What is the difference between string and variable?

---string is one of the datatype in python, which is sequence of characters, whereas variables are used to store any datatype object in python

3. Describe three different data types.

---sequence datatype:list, tuple! Text datatype: String

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

---An expression is combination of values, operators, variables, and calls to function. Expression needed to be evaluated. If you ask python to print() expression, the interpretor will evaluates your expression will get final output/result

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

---An expression is something that can be reduced to something, if not reduced its statement

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

bacon = 22

bacon + 1

----22

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?

---coz variable names can’t start with number and can’t be 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.'

---concatenation is only possible in case of string is with string, make 99 string and then concatenate, using ‘99’ or str(99)