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:-

3. Describe three different data types.

**Ans:- int, float, str, complex, list, dict, tuple**

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

**Ans:- Expression is made up of mathematical operators and they do operations on values and strings**

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

**Ans:-Statement is something which assigns a value or an operation on values and strings to a name. Expression is a mathematical operation**

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**

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

**Ans:- A variable cannot start with a numerical value. A number cannot be a variable**

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

**Ans:- int for interger**

**float for floating point number**

**str for string**

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

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

**Ans:- ‘I have eaten ’ + ‘ 99 ’ + ‘ burritos’**