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 **-- Values**

2. What is the difference between string and variable?

**String is a value which represent the text while Variables is a name that can refer to any value.**

3. Describe three different data types.

**Numeric, String, Boolean**

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

**Expression is a combination of variables, operation and value that yield a result value.**

**In any programming language an expression is evaluated as per the precedence of its operator.**

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

**Statement represent an action or command (example print statement) while expression is a combination of variables , operations and value that yield a result value.**

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'

'spam' \* 3

**Both will give the same output. 'spamspamspam'**

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

**100 is a reserved keyword in Python while eggs is not.**

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

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

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

**99 is a integer so we cannot add integer with string.**

**New code can be written like this :**

**'I have eaten ' + ‘99’ + ' burritos.'**