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.

\* - **MO**

'hello' - **String**

-87.8 - **Float**

- **MO**

/ **MO**

* **MO**

6 - **Interger**

2. What is the difference between string and variable?

**String is a format which is used to define the value of variable which contains text.**

**Variable is a dynamic object which can store values of any format including string.**

3. Describe three different data types.

**Integer – Contains on order of even numbers**

**String – contains only text values**

**Float – Contains decimal values too.**

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

**An expression is a combination of operators and operands that is interpreted to produce some other value.**

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

**This is an expression.**

**Expression is a combination of variables, operations and values that yields a result value.  
Statements represent an action or command e.g print statements, assignment statements**

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

bacon = 22

bacon + 1

**bacon will contain 22 only as “bacon +1” is not stored in bacon object.**

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

'spam' + 'spamspam'

'spam' \* 3

**spamspamspam**

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

**In Python, a variable name must start with a letter or the underscore character.**

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

**int() , float() , and str( )**

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

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

**You can’t concatenate integers. You need to first change it to string.**

**'I have eaten ' + str(99) + ' burritos.'**