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 as it is mathematical operator

'hello'Value as it is string

-87.8 Value as it is integer(float)

- Expression as it is mathematical operator

/ Expression it is mathematical operator

* Expression as it is mathematical operator

6 `Value as it is integer

2. What is the difference between string and variable?

Ans A string is generally words like “Hello World” and Variable is a symbol which can store data in program.

3. Describe three different data types.

Ans **String -** A string is generally words like “Hello World

**Integers –** These are numeric numberslike 1,2,34,5

**Complex Numbers** –. It is specified as (real part) + (imaginary part)j. For example – 2+3j

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

Ans An expression is a combination of operators and operands that is interpreted to produce some other value. In any programming language, an expression is evaluated as per the precedence of its operators.

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

Ans Expression is made up of values, containers, and mathematical operators (operands) and the statement is just like a command that a python interpreter executes like prin

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 = 'spamspamspam'

'spam' \* 3 = 'spamspamspam'

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

Ans = Because Variable names cannot begin with 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( )** functions will evaluate to the integer, floating-point number, and string versions of the value passed to them.

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

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

Ans Expression causes an error because 99 is an integer, and only strings can be concatenated to other strings with the + operator. The correct way is 'I have eaten ' + str(99) + ' burritos'