

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.

*

'hello'

-87.8

-

/

+

6

Answer : Values = "Hello", -87.8 , 6 and Expressions : - , / , +

2. What is the difference between string and variable?

Answer : String consists of Alphabets, words and characters. A string is always indicated between inverted comma's. Eg: "String"

Variable is a memory location to store values

3. Describe three different data types.

Answer :

1. Integer or float

2. Lists

3. Tuples

4. Dictionaries

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

Answer : Expression is the combination of operators and operands. which interprets some value

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

Answer : Expression is a Value interpreter and statement is a logical instructor which performs action

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

```
bacon = 22
```

```
bacon + 1
```

Answer : 23

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

```
'spam' + 'spamspam'
```

```
'spam' * 3
```

Answer : 'spam' + 'spamspam' = 'spamspamspam'

'spam' * 3 = 'spamspamspam'

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

Answer : Variable should start with Chars or underscore _ . So, 100 is a integer so it is invalid.

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

Answer : int() , float() and str()

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

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

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