**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' (values)

-87.8 (values)

- (expression)

/ (expression)

* (expression)

6 (values)

**2. What is the difference between string and variable?**

A string is a series of characters. In Python, anything inside quotes is a string. And you can use either single or double quotes.

**3. Describe three different data types.**

Python has four primitive data types:

* Integer
* Float
* String
* Boolean

Python has non\_primitive data types:

* List
* Dictionaries
* Sets

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

[Expressions](http://docs.python.org/reference/expressions.html) consist [operators](http://docs.python.org/release/2.5.2/ref/operators.html), where operators include arithmetic and Boolean operators.

Expression evaluates to a value

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

[Expressions](http://docs.python.org/reference/expressions.html) consist [operators](http://docs.python.org/release/2.5.2/ref/operators.html), where operators include arithmetic and Boolean operators.

Expression evaluates to a value

Whereas

A statement is used to assign a value or displaying a value.

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

bacon = 22

bacon + 1

Ans: bacon will have value 23

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

**'spam' + 'spamspam'**

**'spam' \* 3**

Ans : Both will be “spamspamspam”

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

Variable name cannot be an number.

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

Ans :Int(),float(),str()

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

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

Ans:Data types aren’t same .

Convert 99 to string by 'I have eaten ' + str(99) + ' burritos.'