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: -87.8,6,’hello’

Expression: \*,-,/,+

2. What is the difference between string and variable?

Answer:

Variable is location in primary memory of a computer where we can store all of types of values such as String,Integer etc whereas String is datatype which is enclosed within single quotes.

3. Describe three different data types.

Answer:

1.Numeric:It consists of Integer,FLoat and complex number.All of these Numeric data types quantifies.

2.Dictionary:Its a unordered collection of data values used to store datavalues like map.Its holds Key:value pair.

3.Boolean:This data types has one of the two built in values True or False.The boolean object which has values as TRUE are Truthy whereas which are False are Falsy.

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

Answer

Expressions are made up of a combination of values,variables,operators and call to functions and they are evaluated during execution of program.

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

Answer:

Expressions are made up of a combination of values,variables,operators and call to functions and they are evaluated during execution of program.e:g x=5

Statements:Its a collection of instructions which python interpreters execute.

x=5

If x==5{

Print (“hello”)

}

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

bacon = 22

bacon + 1

Answer=22

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

'spam' + 'spamspam'

'spam' \* 3

Answer

1.‘spamspamspam’

2.‘spamspamspam’

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

Answer:

There are certain rules for declaring a variable in python and one of that dictates that a variable

Should alway start with a letter and there shouldn’t be any number at the beginning of variables name.

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

Answer:

The 3 functions are

1.Int()

2.str()

3.float()

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

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

Answer:We cannot contenate a numeric value (99) with string values.in order to fix it 99 should be ‘99’.The above expression will be 'I have eaten ' + ‘99’ + ' burritos.'