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.

\*

&#39;hello&#39;

-87.8

-

/

+

6

**Ans\_1**: Values (-87.8, 6,)

Expressions (\*, /, +, -)

2. What is the difference between string and variable?

**Ans\_2**: Variables are used to store data in a program. Strings are data in forms of words. Strings are written in double quotations.

Example a = “Country”

In above example, ‘**a’** is variable and its value can be changes and Country is string.

3. Describe three different data types.

**Ans\_3:** String, Float and integers are the types of data. Integers are the numbers. Floats are decimal number and Strings are the combination of words written in double quotation given to any variable.

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

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

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

bacon = 22

bacon + 1

**Ans\_6: 23**

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

‘spam’ + ‘spamspam’

‘spam’ \* 3

**Ans\_7:** spamspamspam

spamspamspam

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

**Ans\_8:** Variables cannot be start with any integer.

9. What three functions can be used to get the integer, floating-point number, or string

version of a value?

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

‘I have eaten ‘+99+’ burritos.’

**Ans\_10:** Because of same Apostrophe. We can use square brackets.

This is how it can be corrected “I have eaten ‘+99+’ burritos.”