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

Ans:

**From the above elements**

**Strings=hello**

**Float=-87.8**

**Integers=6**

**Mathematical operators= -, /, +.**

2. What is the difference between string and variable?

Ans:

**Variable is used to store the data and string is used to store the data but in the form of characters.**

3. Describe three different data types.

Ans:

**Int, float, string.**

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

Ans :

**An expression can be made of variables and operators. The expression wil performs some mathematical operations between the variables** .

5. This assignment statements, like spam = 10. What is the difference between an

expression and a statement?

Ans: **Statement will defines two side meaning where as expression defines unique or single meaning.**

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

bacon = 22

bacon + 1

Ans**: After running the above code bacon will remains as22.**

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

‘Spam’+ ‘spamspam’

‘spam’ \* 3

Ans: **The above code will not executes it will throw a syntax error.**

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

Ans: **Eggs will be a valid variable because it will starts with character where as 100 will not be a variable because it starts with 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**: The error caused is Syntax Error: EOL while scanning string literal.**

**We can fix it by “I have eaten” +”99”+ “burritos.”**