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(multiply)

'hello' = value(string)

-87.8 = value(float)

-  = expression(subtract)

/ = expression(division))

+ = expression(addition

6  = value(int)

2. What is the difference between string and variable?

Ans: **String** – String is datatype which is a sequence of characters .It is lies under the double or single quotes Eg.”strung” ,”\_ee”,”222”

**Variable –** variable is a reserved memory location to store values .Eg. a=10,\_ee=90

3. Describe three different data types.

Ans: int data type,float data type,string data type

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

Ans. Expression is made up of variable,operators and values.

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

Ans. Expression always have a return or produce result value . statements may or may not be produce the result value or it display the values.

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

bacon = 22

bacon +1

Ans.1.bacon contains 22 in first line

2.bacon variable is added with 1. Foreg:22+1=23

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

'spam' + 'spamspam'

'spam' \* 3

**Ans**. 1.spamspamspam

2.spamspamspam

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

**Ans.** because in python, variable name starts with any alphabetical character or underscore”\_”

It is not valid when it starts with numerical number.

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

**Ans.**  int for integer ,str for string,float for floating point number

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

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

**Ans.** in this expression the single quotes carry the another single quotes within it so it causes error to rectify it we used a backslash”\” before the single quotes .