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?

Strings mean anything we write inside single quotes or double quotes are known as strings

While variable is a keyword to store some types of inputs

3. Describe three different data types.

Int = int datatypes which contains only with integer values a whole number

Float = float is also contains with integer values but with decimal in it

Set = set is sequence of data, and contains with unique values

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

Expression is contains of values, variable and mathematical operation and expression are used to show result of given problem

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

Expression is made up of values, variable and mathematical operation and the statement is just like a command that a python interpreter executes like print.

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

bacon = 22

bacon + 1

output will be : 23

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

'spam' + 'spamspam'

Output = ‘spamspamspam’

'spam' \* 3

Output = ‘spamspamspam’

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

Variable only accept str datatype as variable , we can’t assign numeric values as variable. Instead of we can write eggs100 as variable

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

Integer = int()

String = str()

Floating-point number = float()

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

'I have eaten ' + 99 + ' burritos’

We can convert 99 to str, 'I have eaten ' + ‘99’ + ' burritos’

Output = 'I have eaten 99 burritos’