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.

\* 🡪 mathematical operator(Used for multiplyication)

'hello'🡪 String value

-87.8🡪 integer value

- 🡪 mathematical operator(sub)

/ 🡪 mathematical operator(division)

* 🡪mathematical operator(addition/summation)

6 🡪 integer value

2. What is the difference between string and variable?

String is a datatype(object) in python and variable is something that holds a value

3. Describe three different data types.

String is datatype in python which stores sequences of characters Eg : “hello”,”cloud9”

Boolean is datatype in python which stores True(1)/False(0)

Integer is datatype which store non fractional values

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

Expression is something as word or group of words,that ends up like a value

Eg : spam = 10

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

Expression is something as word or group of words,that ends up like a value

Eg : spam = 10

Statement is group of expression which is nothing but function and class

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

bacon = 22

bacon + 1 🡺 23

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

'spam' + 'spamspam' 🡺”spamspamspam”’

'spam' \* 3🡺 “spamspamspam”

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

Variable name should start with any alphabet and \_ (underscore) not with integers

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.'

Cannot concatenate string with integer. Inorder to fix we need to convert 99 to string

‘I have eaten’+’99’+’burritos’