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 operators

'hello' -string

-87.8 - integer

- mathematical operators minus

/ mathematical operators divide

* mathematical operators plus

6 integer

2. What is the difference between string and variable?

String is also variable,eg. – a= ‘Bhupendra’

a is variable and holding string

3. Describe three different data types.

Numeric, Dictionary,Boolean, set, tuple, list , string

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

An expression is a combination of operators and operands that is interpreted to produce some other value. In any programming language, an expression is evaluated as per the precedence of its operators.

int **cadence = 0**;

**a = 100**;

print(a)

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

Expression is made up of values, containers, and mathematical operators (operands) 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

it will return -23

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

'spam' + 'spamspam' ='spamspamspam'

'spam' \* 3 = 'spamspamspam '

Both return same

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

Because variable name can’t be start from interger.

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

Int(), float() and str()

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

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

99 is integer so we have to convert this into string

'I have eaten ' + ‘99’ + ' burritos.'