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

# 'hello' – string type

# -87.8 - floating value

# - mathematical operator

# / -mathematical operator

6 – integer type value

2. What is the difference between string and variable?

String is nothing but character .it write with the single or double quotes

E.g. ” Bikun” , ‘ndnv’

Variable are nothing but reserved memory to store the value

A=52

Here A is the variable for hold some the value

3. Describe three different data types.

* Integer-its express the all the real number and positive and negative of whole number

A=5

Type(a) - int

* String – its show the all the character

S = ”nayak”

Type(s) string

* Boolean it gives the condition are True or False

S=5>3-true, 5<2-false

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

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

A statement in Python is used for creating variables or for displaying values.

X= 52

The expression in Python produces some value or result, A statement in Python is not evaluated for some results. An expression in Python is evaluated for some results

A = a+5

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

bacon = 22

bacon + 1 = it shows the 23

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

'spam' + 'spamspam' ===== spamspamspam, its concatenate the two string

'spam' \* 3 === spamspamspam

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

Eggs is a variable name so that it can valid and 100 is value so it is not valid

\*\*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.'

Because 99 are the integer type and also, we can’t concatenate for the integer with the string

‘I have eaten’ + ‘99’ + ‘burritor’