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)

-87.8(float)

- (mathematical operator)

/ (mathematical operator)

* (mathematical operator)

6 (integer)

2. What is the difference between string and variable?

String is a data type in python just like int,float

Variable is an entity which can hold different types of data for example string,integer,boolean

3. Describe three different data types.

Integer

Eg: int=23,34

Str=”a”,”b”

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

Expression are made of variable and operators

Expression basically solve equations and derive values

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

The above expression is using an assignment operator to assign a value to variable spam,

Whereas the statement are like print statement .

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?

Because variable cannot start with a digit

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

int()

float()

str()

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

'I have eaten ' + “99” + ' burritos.'

Because we cannot concatenate string with integer for the above expression to work we need to make “99” a string