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' string

-87.8 float

- expression

/ expression

* expression

6 int

2. What is the difference between string and variable?

String is something which are present in the form of words and variable is something is like int, float which can also varies

3. Describe three different data types.

String-a line of sentence or a word is string like ‘My Name is Darpan’

Int-A number without Decimal Like ‘2’,’3’,’100’

Float-A number with decimal Like ‘2.09’,’4.34’

Boolean-True and False is being Referred as Boolean

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

The expression is made up of variables operators and method invocations

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

Expression is made up of valuers, containers, operators and statement is just like a command that python interpreter executes

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

spamspamspamspamspamspam

'spam' \* 3

spamspamspam

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

Because variable name can’t start with the numbers

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.'

type error because 99 is int while other two is string we can fix the above line just by change type of 99 as str

'I have eaten ' + str(99) + ' burritos.'