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' values

-87.8 values

- expression

/ expression

* expression

6 values

2. What is the difference between string and variable?

String : value stored in variable as statement in (“”)

Eg: “hardeep is good persion”

Variable : Use to store data in it as value

3. Describe three different data types.

List : the list is used for storing multiple data items in a single variable.

Integer: simple numerical value without decimal 98,75,45

Float: decimal value 85.4, 65.4,

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

= Expression made up of value, container and mathematical value.

Expressions are used to evaluate the values or represent the result on the screen.

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 and

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

= 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?

Python not consider a numerical value or any word start with number as variable

Eg : 100, 10er

But consider number if it follow some alphabat

Eg: ho1, gh45, pj10

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

= str(),

int(),

float()

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

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

because 99 is an integer it cannot be concatenated with strings, if we have to concatenate it we need to do typecasting