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'------------------------------------------------------- variable

-87.8--------------------------------------------------------- variable

- -------------------------------------------------------------- expression

/ -------------------------------------------------------------- expression

* ------------------------------------------------------ expression

6 ------------------------------------------------------------ variable

2. What is the difference between string and variable?

Information is stored in variable and string is kind of variable consisting of one or more characters

3. Describe three different data types.

String data types: str

Numeric data types: int, float

Boolean type: bool

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

Expression is made up of operator and operands in producing some value.

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

Statement is made by meaningful expression

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

bacon = 22

bacon + 1

Ans: 22

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

'spam' + 'spamspam'

'spam' \* 3

And: ‘spamspamspam’

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

Ans: numerical can be used as variable

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

Int(),float(),string()

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

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

* Concatenation of different data types is not valid. 99 has to be converted into string data types.