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 = value

- = expression

/ = expression

* = expression

6 =value

2. What is the difference between string and variable?

Answer: - **Variable::-** variable is a self defined data that hold dataset and we can use that variable for further processing.  
**String::-** string is data which we will add inside variable.

3. Describe three different data types.

Answer:- 1. Int-integer .

2. Float-decimal .

3. string

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

Answer:- Expression are mathematical operation.  
 we use expression to ass,subtract,multiply,divide etc in coding.

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

Answer:- expression(=) here is giving value (10).And statement saying like spam is equals to 10.

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

bacon = 22

bacon + 1

Answer = 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?

Answer:- because variable can’t be start with integer.

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

Answer:-

For integer we use = int()

For floating-point we use = float()

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

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

Answer:- can’t add int with string we have to make changes

Write 99 =’99’ in inverted or we can write like str(‘99’)