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 (string)

-87.8 values (integer)

- (Expression)

/ (Expression)

* (Expression)

6 values (integer)

2. What is the difference between string and variable?

Ans: String is a type of information you would store in a variable.

Variable is were we store information

(e.g) A=25 (were A is the variable which store the string value 25.

3. Describe three different data types.

Ans: str, int,flaot,complex, list, tuple , range

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

Expression is made up operator & operand’s, they are used to produce a new value

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

A) “=” is the expression in the above example (spam =10), which used to assign a value to spam.

B) Statement is the standalone unit of executions, in above example “spam” is a statement.

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

bacon = 22

bacon + 1

**Ans: 23**

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

'spam' + 'spamspam'

'spam' \* 3

**Ans:'spamspamspam'**

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

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

**Ans:**

**x=1**

**print(int(x))**

**print(float(x))**

**print(str(x))**

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

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

**Ans:**

**b=99**

**d="i have eaten {} burritos"**

**print(d.format(b))**