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 int

- expression

/ expression

* expression

6 int

2. What is the difference between string and variable?

String is data type whereas variable is unknown entity which can be of any datatype.

3. Describe three different data types.

INT ,STRING ,char,float

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

Expression made up of operators, valuesand operands. It can do mathematical operations , comment or documentation operation etc.

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

The expression evaluates the value whereas statement gives command to compiler to execute something.

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

bacon = 22

bacon + 1

bacon will contain 22

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?

Variable can’t start with integer or special character

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

Type conversion

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

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

By type conversion

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