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 value

-87.8 –float value

- --expression

/ --expression

* --expression

6 --int value

2. What is the difference between string and variable?

Variable acts like an container that holds an value and can be used for further.

String is an group of characters closed in quotations.

3. Describe three different data types.

Int,string,float

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

An expression is collection of operators and values which gives a result value.

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

Spam=10 is an assignment because value 10 is been assigned to a variable spam.now variable spam will hold some value where can be used further.

An expression is like doing some operation on a value ex: spam= 10+ 5.

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'= ‘spamspamspam’

'spam' \* 3=’spamspamspam’

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

100=’a’ when written it give a syntax error saying ‘cannot assign to literal’ here literal will be int.and in other case it was same just like C language.

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

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

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

Ans) This expression is trying concatenate string with integer which gives an error.by changing 99 from int to string by adding quotes or by type casting will solve this problem

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