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)
-87.8 (values and expression)
- (expression)
/ (expression)
• (expression)
6 (values)
2. What is the difference between string and variable?
A Python variable is a reserved memory location to store values while string is a particular data type of a value stored into a variable
3. Describe three different data types.
List, tuple, string
4. What is an expression made up of? What do all expressions do?
An expression is made up of operators and values. Always evaluates down to a single value.
5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?
An expression is made up of operators and values, and always evaluates down to a single value. On the other hand, an assignment is a Python instruction that assignes a value into a variable

6. After running the following code, what does the variable bacon contain?
bacon = 22
bacon + 1
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?
Because a python variable name cannot start with a number and 100 is a number
9. What three functions can be used to get the integer, floating-point number, or string version of a value?
We can use type casting. If the value for example is a, we can use int(a), float(a) and str(a)
10. Why does this expression cause an error? How can you fix it?
'I have eaten ' + 99 + ' burritos.'

because 99 is not string. we can use 'I have eaten ' + '99' + ' burritos.' or 'I have

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