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.

\* = mathematical operators

'hello'=string

-87.8= intger

- = mathematical operators

/ = mathematical operators

* = mathematical operators

6 = intger

2. What is the difference between string and variable?

String is the fixed value of verbatim form

Variable is not fixed

3. Describe three different data types.

 integers,

floating point numbers

complex numbers

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

Ans: It is a combination of operator and operand. It is evaluated for the some result

it use operator and operand

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

Ans: statement used for creating variable. In above case if any operator operand used than above statement can also become the expression

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?

Ans: egg is not an integers so there is not any direct value associate with but this is not true for 100

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

str()  
int()  
float()

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

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

Ans: Because 99 is integer . we may 99 string by adding over ‘ ’ to it