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.

answer - integer = 6 , string = 'hello

'hello'

-87.8

-

/

6

2. What is the difference between string and variable?

answer- any numberical value positive or negative,

3. Describe three different data types.

answer - there are 3 data type ,

1. str(data type)

2.int(data type)

3.float(data type)

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

ans. - expression are made up of operators like ,=,+ , - , \*, / , % expression helps us to computations of numbers, + addition operators helps us to addition of numbers , - subtraction operators helps up to subratction of numbers , \* muplication operator helps us to multiply the numbers , division operators helps us to divide the numbers

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

ans :- expression is the operators which uses to do multiple operations and

statements are the unit of code which python interpretor can execute

spam = 10 is the statement and it has uses the = assingment operator that is assighing spams value

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

bacon = 22

bacon + 1

bacon = 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?

in python variable cant be start with integers

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

int uses to get the integer value , str uses to get the value of string and float uses to get the value of floating number

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

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

because string and integer can not be compute

only way is to typecaste the integer into string

'i have eaten' + '99' + 'burritos'