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.

\*

'hello'

-87.8

-

/

6

Answers :-values = -87.8 , 6

Expression = “hello”,-,/,+

2. What is the difference between string and variable?

Answer :- variable is the keyword which can store the data types eg:- a = “hello” , a is variable and “hello” is string type .

String :- string is data type and its is itreable object

3. Describe three different data types.

Answers :- 1.float data type , 2. string data type, 3. Integer data type ,4.complex , 5.

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

Expression is made up of values, containers, and mathematical operators (operands),

A = 3+5 , expression are used represent the result on the screen.

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

Answers:- Expression is made up of values, containers, and mathematical operators (operands) and the statement is just like a command that a python interpreter executes like print..

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

bacon = 22

bacon + 1

Answers = 23

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

Answer:- 1.spamspamspam

2.spamspamspam

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

In python interger assignment is not allow , its shows syntax error, but egss is valid because of string assignment is supported .

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

Answers:- str(), float(),int()

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

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

Answers: - the data type is different ,we can add only same data type in python , in 10 question 99 is integer type , so we only concatenate string to string , not string to integer . that is main problem , below is the solutions

“i have eaten “ + str(99) + “burritos” .