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' : Values.

-87.8 : Values

- : Expression

/ : Expression

* : Expression

6 :Value.

2. What is the difference between string and variable?

Ans 2. Variables is just like a symbol which we declare and store data into it .

But string is data which will use to fill the variable.

3. Describe three different data types.

Ans 3. \* Integer:- Its is data type which holds Whole Number .Eg:- 3, 4,888,97545.

\*Floating Point Or Float :- Its is data type which holds decimal numbers. Eg:- 3.4,7.8,9.8.

\*Character :- It’s a type of data type which hold characters

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

Ans:- Expression is combination of value and operations by which we get the result .

Eg:- 4+10 = 14. In expressions we do operation on the values that you are seeing in the example two values 4 and 10 are using operation + by which we get result 14.

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

Ans 5:- An expression gives us the result of operation and value. And statement gives the way to do something.

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

bacon = 22

bacon + 1

Ans 6:- bacon contain 22 only because 1 is add when we store this in any variable then this expression works.

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

1 : 'spam' + 'spamspam'

2 : 'spam' \* 3

Ans 7:- 1:- spamspamspam

2:- spamspamspam

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

Ans 8:- because we cannot able to start the name of variable with number.

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

Ans 9:- int():- integer

float():- floating-point number

str():- string

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

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

Ans 10:- we can concatenate only string not string with integer so we have to use Ninety Nine instead of 99.