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 operator

'hello' -expression

-87.8 -float

- -expression

/ -expression

+ -mathematical operators

6 -integer

2. What is the difference between string and variable?

Ans. A variable store information and a string is a type of information stores in variables.

Eg of variable-

* My first program = “hello world”( my first program is variable its stores hello world)
* X=20,y=10

Print(x+y)

Ouput

30

(here x+y is a string)

3. Describe three different data types.

ans 1. Numeric-int

2.text-string

3.sequence-list

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

Ans. An expression is a combination of operators and operands that is interpreted to produce some other value. In any programming language, an expression is evaluated as per the precedence of its operators.

Eg. Of expression are

1. Arthematical expressions
2. Integral expressions
3. Floating

All expression have some specific work like integral expressions used to define an integer value and float expression define all type of numbers it’s a integer,decimal numbers

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

Ans .spam =10

An expression is a combination of variable,function and operators that always produce results.

Statements is any instruction that is given to the interprators of phyton to execute.

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'

'spam' \* 3

Ans spamspamspam

spamspamspam

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

Ans eggs are valid variable and 100 is an integers type

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

Ans int-integer

Flo-float

Str-string

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

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

Ans due to integer value of 99 its gave error and we cannot use integer with variables.

To fix we have to delete 99

Correct expression is ‘I have eaten’+’burritos’