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

ANSWER:

Values : ’hello’, -87.8, 6

Expressions : \*, - , / , +

1. What is the difference between string and variable?

ANSWER:

String :A String is a type of value that can be stored in variable .And it is enclosed with in ‘ ‘ or “ ”

Variable: Variables store information in a program . A variable can store any data type value.

1. Describe three different data types.

ANSWER:

Integer,float,Boolean

Integer:Integer can contain integer values.EX: 34 ,23 59 all are integer type of value.

Float : Float can store floating type values.Ex: 23.3,453.45,7.9 all are floating type of values.

Boolean : boolean can contain True or False.EX: True ,False.

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

ANSWER:

Expression is a combination of operators and operands to perform some other value.Expressions perform some calculations to produce output.

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

ANSWER: Expression is a combination of operators and operands to perform some other value.EG: 1+3

Statement : Statements represents an action Ex: a=1+3

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

bacon = 22

bacon + 1

ANSWER : 23

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

'spam' + 'spamspam'

'spam' \* 3

ANSWER: 1.spamspamsapm

1. spamspamspam

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

ANSWER: A variable name should not start with a number or special character so here 100 is invalid variable name.

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

ANSWER : INTEGER=int ,FLOATING POINT= float, String = str

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

'I have eaten ' + 99 + ' burritos’.

ANSWER:

WHY it cause error because we cannot concatenate the integer and string .

So we have to convert integer to string to retify the error

Correct formation:

‘I have eaten ’+’99’+’burritos’.