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.

\* -> This **is** an expression.

*'hello'* -> This **is** an value.

-87.8 -> This **is** an value.

- -> This **is** an expression.

/ -> This **is** an expression.

+ -> This **is** an expression.

6 -> This **is** an value.

1. What **is** the difference between string **and** variable?

variable can store anything from string to number **and** variable **is**

likely name of the location **in**

the primary memory of our computer.

variable generally store data **and** it can be int,float,string. string **is** the value we assinged inside the quotes to string. strings are just literal text.

1. Describe three different data types.

1.) Numeric data type -> The numeric data type **is** represent the numeric value it can be integer, floating number **and**

complex numbers. These are generally defined as int,float **and**

complex.

2.) sequence data type -> The sequence **is** the collection of similar

**or** different data types **and** we store multiple value

**in** this data type. These are generally string,list **and** tuple. 3.) boolean data type -> This data type **is** one of the two built **in**

values, True **and** False. when object **is** equal to true **or**

false.

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

The expression **is** combination of operators **and** operands that **is**

interpretend to give other value.

the expression constructed according to the syntax of the language which evaluates value.

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

Expression **is** combination of values **and** function that are combined by compiler to create new value.

Statement **is** creating the a variable **or** displaying value, it only does whatever the statement says **and** doesn't return

anything.

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

bacon = 22

bacon + 1

After run this code the variable generally increse it self by one

**and** the +1 **is** show inrement **with** one so the value of bacon **is** 23 (+1 = add one **in** this variable value)

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

*'spam'* + 'spamspam'

*'spam'*\* 3

So the value of the following two **is** same they both are 'spamspamspam' . **in** first code **is** add string **with** + **and in** second

one the spam goes multiply three time itself so the value **is**

'spamspamspam' at three times.

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

The rule **is** always say that the variable name can **not** begin **with** a number.

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

The function **is** used to get integer **is** int()

The function **is** used to get floating-point number **is** float() The function **is** used to get string version of a value **is** str()

1. Why does this expression cause an error? How can you fix it? 'I have eaten' + 99 + 'burritos.'

This code give error to us because the string **and** an integer value can **not** perform the sum operator **and**

string can't add in integer value so we can fix it with 99 must be the string and the code for the string is

must be in quotes like 'I have eaten' + ' 99 ' + 'burritos.' .