**ASSIGNMENT : 1**

1. Values = ‘hello’,6   
   Expressions = +,-,/,\*
2. String = String is a sequence of characters  and can contain letters, numbers, symbols and even spaces.

Variable = Variable is a value that can change, depending on conditions or on information passed to the program.

**3)**Numeric=include integer,floating,complex value etc.

Boolean= Boolean has two possible value True and False.

Set=set data type that can store unique values, without any particular order.

**4)**A combination of operands and operators is called an expression. An expression is a combination of operators and operands that is interpreted to produce some other value. Arithmetic, Relational,Logical etc.

**5)** spam=10

A statement is not evaluated for some results. An expression is evaluated for some results.

So, spam is any variable and its value is 10 for expression when for statement spam=10 is only one sentence not expression

**6)**bacon contain 1

Ans.= 23

**7)** ‘spam’+’spamspam’ =’spamspamspam’

‘spam’\*3=’spamspamspam’

**8)**eggs is valid because it is not any keyword ,it is one word so It is valid ,when 100 is number and we know that rule of variable “**A variable name cannot start with a number**.” So 100 is not valid.

**9)** The **int() , float() , and str( )** functions will evaluate to the integer, floating-point number, and string versions of the value passed to them.

**10)** ‘I have eaten’ + 99 + ‘burriots.’

‘I have eaten’ and ‘burriots.’ Both are string when 99 is integer value so addition operator is apply between string and integer

we fix it like= ‘I have eaten’ + ‘99’ + ‘burriots.’

**Output** = ‘I have eaten 99 burriots.’