Assignment No. 2

Que-1 What is % method?

Ans - Python uses C-style string formatting to create new formatted strings. The "%" operator is used to format a set of variables enclosed in a "tuple" (a fixed size list), together with a formatting sthing, which contains normal text together with "argument specifiers", special symbols like "%s" and "%d", for string %s and for integer %d is used.

Que-2 What is string? How it is represented? Give string functions with example.

Ans - The sequence of character is called string. Strings are arrays of bytes representing Unicode characters. However, Python does not have a character data type, a single character is simply a string with a length of 1. Square brackets can be used for access of elements of string.

⇒ String functions :

function Name	Description	Example
Capitalize ( )	Returns the string with first character capitalized and rest	var = 'PYTHON' print (var. capitalize())

of the characters in   Output: Python
lower case.

lower()	Converts all the characters of the string to lowercase.	var = 'PYTHON' print(var.lower()) Output: python
upper()	Converts all the character of the string to upper uppercase.	var='PYthon' print(var.upper()) Output: PYTHON
title()	Returns the 'title cased' version of string which means that all words start with uppercase and rest of the characters in the words are in lowercase.	var = "Welcome to python" print(var.title()) Output: Welcome To Python
count (str[, beg [,end]])	Returns the number of times substring 'str' occurs in range [beg, end] if beg and end are not given. If it is not given then substring is searched in whole string. Search is case-sensitive.	var = 'ambala' str = 'a' print(var.count (str)) output: 3