5.1.1 Format Operator

write() function takes the argument as a string . To put other values in a file, it must be converted to strings. It is done by 2 methods:

i) str() method is used to convert other values into string.

Example Program:

>>>x=52

>>>f.write(str(x))

52

ii) Format operator is an % operator that converts other values into string.

with integers, % is considered as modulus operator

with strings,% is considered as format operator

Example Program:

>>>x=15

>>>"%d"%x

15

%d is formatted as decimal integer.

Format sequence in string:

Format sequence can appear anywhere in the string

Example Program:

>>>computers=10

>>>'I have bought %d computers', %computers

Output:

I have bought 10 computers

More than one format sequence:

If there is more than one format sequence, second argument must be tuple.

Example Program:

>>>"In %d years, I have bought

%g%s".%(2,3.0,'computers')In 2 years, I have

bought 3.0 computers

In the above program:

❼%d is formatted to integer

❼%g is formatted to floating point number

❼%s is formatted to string.

❼Number of elements in tuple and number of format sequences must be same