**Tutorial 9**

IIIT Delhi is organising fresher’s party. **Gaurav** is really excited to go to this party however he

wants to ask his brother Jay to come with him. Jay loves python and thus decides to give Gaurav

a problem which he has to code to convince him to come to the party.

The problem is:

Given any three numbers x, y and z, he has to convert it into Magic Number. A Magic Number is defined as follows: ((x2 +y)%z)5

Gaurav really wants Jay to come and thus needs your help to solve this problem.

You need to implement a function find\_magic\_num(x,y,z) which takes x, y and z as

parameters and returns the magic number.

**TASK 1 :**

Now Gaurav being a clever student wants to import this function.

Thus he decides to:

1. Make a module named “magic\_module.py” and writes his function

find\_magic\_num(x,y,z) in it.

1. Then he opens the command line/ terminal, goes to the directory/folder where his

magic\_module.py is saved, start python and imports his module and runs the function.

Note: Remember the import command taught in the class will be used. (See the following

example defining get\_sum(a,b) function in <sum\_module.py>. Try running it and

understand the code.)

<sum\_module.py>

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def get\_sum(a, b):

"""

This function finds the sum of 2

integers

@params: Two integers a and b

Returns: An integer

"""

C = a + b

return C

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**TASK 2:**

Jay doesn’t like using import and thus wants Gaurav to implement a function and call it within

the same file by taking the user input. In this task, you need to create a new file

<magic\_one\_file.py> and write the same function and also it's call within this file only.

E.g. :

<sum\_one\_file.py>

----------------------------------------------------------------

def get\_sum(a, b):

"""

This function finds the sum of 2 integers

@params: Two integers a and b

Returns: An integer

"""

C = a + b

return C

i=int(input())

j=int(input())

print(get\_sum(i,j))

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**Discussion Points**

Finally, the coding questions were done but viva round was remaining. You need to help Gaurav

one last time, as Jay is waiting.

Q1. What is the use of triple quotes? How did it help us in the above-illustrated case in Task 1?

Q2. What is the difference between

1. import xyz
2. from xyz import abc

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