Template for Code Submission:

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#We need this information when we grade you and theory people

#Theory File Name :
#Theory File Author(s):

#Code Author Name(s) :
#Roll Number(s) :

import numpy, scipy, datetime   # whatever libraries that you might want to import

#define all the functions that you have to define in following way
def functionName(parameters):
        # indented specifications of
        # input parameters and there type
        # output parameters and their type

        block of code   # nothing is asked from the user here
                               # no input statement should come here
                               # in the function definition at all

        return output

#print test cases input actual parameters in the example given in theory also comment the
#supposed answer beside as I show here so that we know it does what the author intended

print functionName(input actual parameters set 1)   #Ans:

print functionName(input actual parameters set 2)   #Ans:

print functionName(input actual parameters set 3)   #Ans:

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