# Assignment 10

# All your code should be between BEGIN and END.

# Do not change the rest of the program

# Please visit this video first

# http://www.viewpure.com/riL\_xn6BKD8?start=0&end=0

# You can use pythontutor OR python IDLE to develop the program

# But once the program is working, please use Python IDLE

# to save the file to "pattern.py"

# and submit that file to google classroom

def pattern(input\_char = "\*", line\_count = 5, display\_mode = "RIGHT"):

#BEGIN your code

for x in range(line\_count):

str =input\_char\*(x\*2+1)

if display\_mode == "RIGHT" :

print(str.rjust(line\_count\*2+1))

if display\_mode == "LEFT" :

print(str.ljust(line\_count\*2+1))

if display\_mode == "CENTER" :

print(str.center(line\_count\*2+1))

#END your code

# Assignment 10 test cases

#Test Case 1

print('Test Case 1: pattern("\*",5,"RIGHT")')

pattern("\*",5,"RIGHT")

#Test Case 2

print('Test Case 2: pattern("@",6,"LEFT")')

pattern("@",6,"LEFT")

#Test Case 3

print('Test Case 3: pattern("#",10,"CENTER")')

pattern("#",10,"CENTER")

#Test Case 4 with all defaults

print('Test Case 4: pattern()')

pattern( )

#Test Case 5 pass in only two params and third is a default

print('Test Case 5: pattern("X", 5)')

pattern("X",5)

#Test Case 6: Take the inputs from the user on all three

# and use those to test your method

a = input("Enter your character? ")

b = input("How many lines do you need? ")

c = input("How do you want to justify the display (LEFT, RIGHT, CENTER)? ")

print('Test Case 6: pattern(a,int(b),c)')

pattern(a,int(b),c)