3) With a single integer as the input, generate the following until a = x [series of numbers as shown in below examples]

  Output: (examples)

    1) input a = 1, then output : 1

    2) input a = 2, then output : 1

    3) input a = 3, then output : 1, 3, 5

    4) input a = 4, then output : 1, 3, 5

    5) input a = 5, then output : 1, 3, 5, 7, 9

    6) input a = 6, then output : 1, 3, 5, 7, 9

    .

    .

    7) input a = x, then output : 1, 3, 5, 7, .......

Sol) def generate\_series(a):

# Initialize starting value and increment step

x = 1

series = []

# Keep generating odd numbers until x <= a

while x <= a:

series.append(x)

x += 2

# Print the series

print(", ".join(map(str, series)))

# Input from user

a = int(input("Enter a single integer: "))

generate\_series(a)