ISAT 252: Analytical Methods IV

Python Loops Activity

Name(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the loops corresponding to the following problems:

1. Print out the odd numbers from 1 to 20 on two lines.

b.) Use a while loop to print out numbers, starting with 1 and doubling each until the total exceeds 1000.……

c) Using a nested for loop, print out the following table:

1 2 3 4 5

2 4 6 8 10

3 6 9 12 15

4 8 12 16 20

5 10 15 20 25

# This program displays a triangle pattern.

BASE\_SIZE = 6

for r in range(BASE\_SIZE):

for c in range(r + 1):

print('\*', end='')

print()

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**d) Write a program that uses nested loops to draw this pattern:**

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