cs4funsd 2025-08-29

# Loops in python

## Introduction to loops

Loops repeat an action MANY, MANY TIMES. Example: Draw a square of 50 by 50 forward(50) repeated 4 times right (90) forward (50) right (90) forward(50) right (90) forward (50) right (90) We can use loops to automate for i in range (4): — Note the colon forward (50) right (90) Note the indentation **Exercises** 1. What shape will be created if the following code is run? for i in range(8): forward(30) right(90)  $\mathbf{B}$ A D

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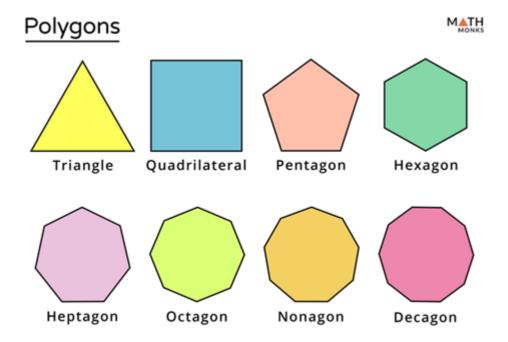
## 2. What shape will be created if the following code is run?



A \_\_\_\_\_\_ B \_\_\_\_\_

C D

#### 3. Draw a polygon



### 4. Draw a fancy shape (homework)

Create a fancy shape using basic loops