Lab Tasks

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Activity 8:

Imagine two matrices given in the form of 2D lists as under;

```
In []:    a = [[1, 0, 0], [0, 1, 0], [0, b = [[1, 2, 3], [4, 5, 6], [7, c = []]

for indrow in range(3):
    c.append([])
    for indcol in range(3):
    c[indrow].append(0)
    for indaux in range(3)
    c[indrow][indcol]

print(c)
```

[[1, 2, 3], [4, 5, 6], [7, 8, 9]]

Activity 9

```
In []:
     import math
     def polygon perimeter(coords):
         # Find the number of verta
         n = len(coords)
         # Initialize the perimeter
         perimeter = 0
         # Loop through all vertice
         for i in range(n):
             # Calculate the distar
             x1, y1 = coords[i]
             x2, y2 = coords[(i+1)]
             side length = math.sqr
             # Add the length of th
             perimeter += side leng
         return perimeter
```