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FA20-BSE-013

Activity 8 2d matric

```
a = [[1, 0, 0], [0, 1, 0], [0, 0, 1] ]
b = [[1, 2, 3], [4, 5, 6], [7, 8, 9] ]
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] = c[indrow][indcol] + a[indrow][indaux] * b[indaux][indcol]
print(c)
```

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

Acticvity 9

```
def perimeter (listing):
  leng=len (listing)
  perimeter=0;
```

Saving...

```
    dist = (((listing[i] [0]-listing [i+1][0])**2)+ ((listing[i][1]-listing[i+1] [1] ) **2) ) **0.5
    perimeter = perimeter + dist
  perimeter = perimeter + (((listing[0][0]-listing [leng-1] [0])**2) +((listing[0][1]-listing [leng-1] [1])**2))**0.5
  return perimeter
L = [(1,3), (2,7), (3,9), (-1,8)]
print(perimeter (L))
```

```
    15.867444035869614
    15.867444035869614
```

Colab paid products - Cancel contracts here

✓ 0s completed at 11:30 PM