Youtube video : [polygon python code HD 1080 WEB H264 4000 - YouTube]

Python code:

```
from functools import reduce

#list of polygon/triangle
polygon = [(3,4,5),(6,8,10),(3,5,3,5),(2,6,9),(7,8,9)]

#write a function name that retruns perimeter of given polygpn
def poly_sum(polygon):
  return reduce(lambda x, y: x + y , polygon)

#use the standard filter function to generate a list of only right triangles
def is_right_triangle(triangle):
  a,b,c = sorted(triangle)
  return a**2 + b**2 == c**2
print("list of polygons: ")
print(polygon)

#second filter function to generate a list of only triangles
triangles = filter(lambda  x: len(x) == 3, polygon)
print("Triangles from orginal list: ")
print(list(triangles))

#filter to select only right angle triangle
right_triangles = filter(is_right_triangle, triangles)
print("Right triangles from list: ")
print(list(right_triangles))
```

```
#map to compute perimeternof right triangles
perimeters = map(poly_sum, right_triangles)
print("Perimeters of the right triangles: ")
print(list(perimeters))
```