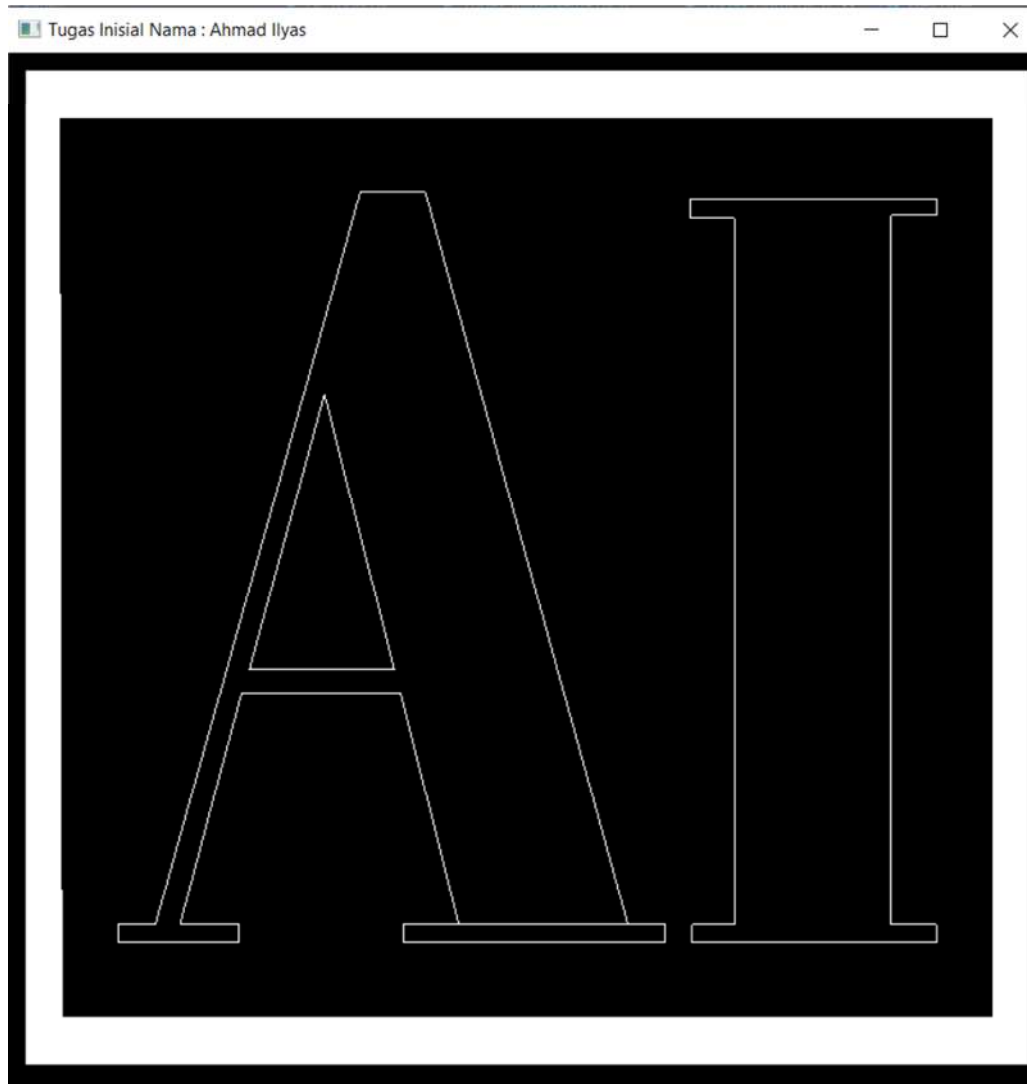


Nama :Ahmad Ilyas
NIM : 222410103049

1. Gambar Output kode initial nama menggunakan PyOpenGL



2. Source code (menggunakan library buatan sendiri) dari pyOpenGL

```
1  # git_clone dulu kakak di
2  # git clone https://github.com/juniyasyas/GL_tools.git
3
4
5  # Nama : Ahmad Ilyas
6  # NIM : 222410103049
7
8
9  from GL_tools.GL_tools import *
10
11 window = OpenGLInitializer(window_size=(700,700),window_title="Tugas Inisial Nama : Ahmad Ilyas",kiri=0,kanan=928,atas=0,bawah=700)
12 window.object_manager.create_rectangle(0,0,928,700,color=colors['Black'])
13
14 window.object_manager.create_polygon([(912,18),(17,18),(17,687.8798624709378),(911.9829466302,687.8798624709378)])
15 window.object_manager.create_polygon([(880,50),(50,50),(48,656),(880,656)],color=colors['Black'])
16
17 # Huruf A
18 line_A = [
19     (100,112),(133,112),(316,606),(374,606),(554.9994130789462,112),(404.0259465963241,112),
20     (357,268),(210,268),(155,112),(208,112),(208,100),(100,100)]
21 window.object_manager.create_line(x1=100,y1=112,x2=100,y2=112,lines=line_A)
22 window.object_manager.create_line(x1=354,y1=112,x2=354,y2=112,lines=[(354,100),(588,100),(588,112)])
23 window.object_manager.create_line(x1=217,y1=284,x2=217,y2=284,lines=[(284,469.5),(346.5,284)])
24
25 # Huruf I
26 lines_i = [
27     (610,589),(650,588),(650,112),(612,112),(612,100),(830,100),(830,100),(830,112),
28     (790.1004978145886,112.365931379245),(790,590),(830,590),(829.9045624678631,601.7087838498422)
29 ]
30 window.object_manager.create_line(x1=610,y1=602,lines=lines_i)
31 window.initialize_window()
32 glutMainLoop()
33
```

3. Library yang digunakan