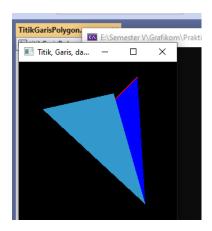
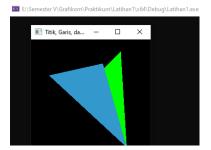
Nama : Nurlaelia

Nim : D0221099

Kelas : Informatika G

Latihan1





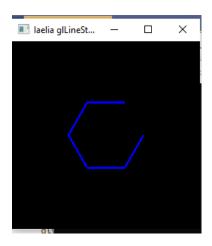
Latihan2

```
    glBegin(GL_LINE_STRIP); (Titik awal tidak terhubung dengan titik akhir) glVertex2i(20, 10); glVertex2i(50, 10); glVertex2i(20, 80); glVertex2i(50, 80); glEnd();
```

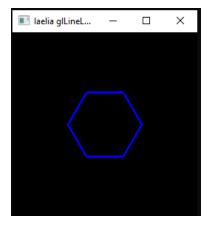


3. n-gon simetris/beraturan

```
glBegin(GL_LINE_STRIP);
    glVertex2f(40 * cos(2 * 3.14159265 * 1 / 6), 40 * sin(2 * 3.14159265 * 1 / 6));
    glVertex2f(40 * cos(2 * 3.14159265 * 2 / 6), 40 * sin(2 * 3.14159265 * 2 / 6));
    glVertex2f(40 * cos(2 * 3.14159265 * 3 / 6), 40 * sin(2 * 3.14159265 * 3 / 6));
    glVertex2f(40 * cos(2 * 3.14159265 * 4 / 6), 40 * sin(2 * 3.14159265 * 4 / 6));
    glVertex2f(40 * cos(2 * 3.14159265 * 5 / 6), 40 * sin(2 * 3.14159265 * 5 / 6));
    glVertex2f(40 * cos(2 * 3.14159265 * 6 / 6), 40 * sin(2 * 3.14159265 * 6 / 6));
    glVertex2f(40 * cos(2 * 3.14159265 * 6 / 6), 40 * sin(2 * 3.14159265 * 6 / 6));
    glVertex2f(40 * cos(2 * 3.14159265 * 6 / 6), 40 * sin(2 * 3.14159265 * 6 / 6));
    glEnd();
```



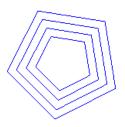
4. Tanpa menggunakan Inputan
 glBegin(GL_LINE_LOOP);
glVertex2f(40 * cos(2 * 3.14159265 * 1 / 6), 40 * sin(2 * 3.14159265
 * 1 / 6));
glVertex2f(40 * cos(2 * 3.14159265 * 2 / 6), 40 * sin(2 * 3.14159265
 * 2 / 6));
glVertex2f(40 * cos(2 * 3.14159265 * 3 / 6), 40 * sin(2 * 3.14159265
 * 3 / 6));
glVertex2f(40 * cos(2 * 3.14159265 * 4 / 6), 40 * sin(2 * 3.14159265
 * 4 / 6));
glVertex2f(40 * cos(2 * 3.14159265 * 5 / 6), 40 * sin(2 * 3.14159265
 * 5 / 6));
glVertex2f(40 * cos(2 * 3.14159265 * 6 / 6), 40 * sin(2 * 3.14159265
 * 6 / 6));
glVertex2f(40 * cos(2 * 3.14159265 * 6 / 6), 40 * sin(2 * 3.14159265
 * 6 / 6));
glEnd();



5. Menggunakan Inputan (fungsi ngon)
 void ngon(int n, float cx, float cy, float radius, float
 rotAngle) {
 double angle, angleInc;
 int k;

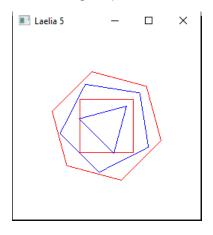
 if (n < 3)return;
 angle = rotAngle * 3.14159265 / 180;
 angleInc = 2 * 3.14159265 / n;</pre>

Latihan 3 (Video 05)



```
Percabangan
segi = 6;
```

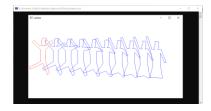
```
for (int a = 60; a >= 30; a -= 10) {
    if (segi % 2 == 0) {
        glBegin(GL_LINE_LOOP);
        glColor3f(1.0, 0.0, 0.0);
        ngon(segi, 0, 0, a, 45);
        glEnd();
}
else {
        glBegin(GL_LINE_LOOP);
        glColor3f(0.0, 0.0, 1.0);
        ngon(segi, 0, 0, a, 45);
        glEnd();
}
segi--;
```



4. Struktur Data Array

```
int data[3][2] = { {0,-40},{0,40},{80,80} };
glBegin(GL_LINE_LOOP);
    glColor3f(1.0, 0.0, 1.0);
```

5. Vektor



6. Perpotongan Garis



7. Menghitung perpotongan garis



