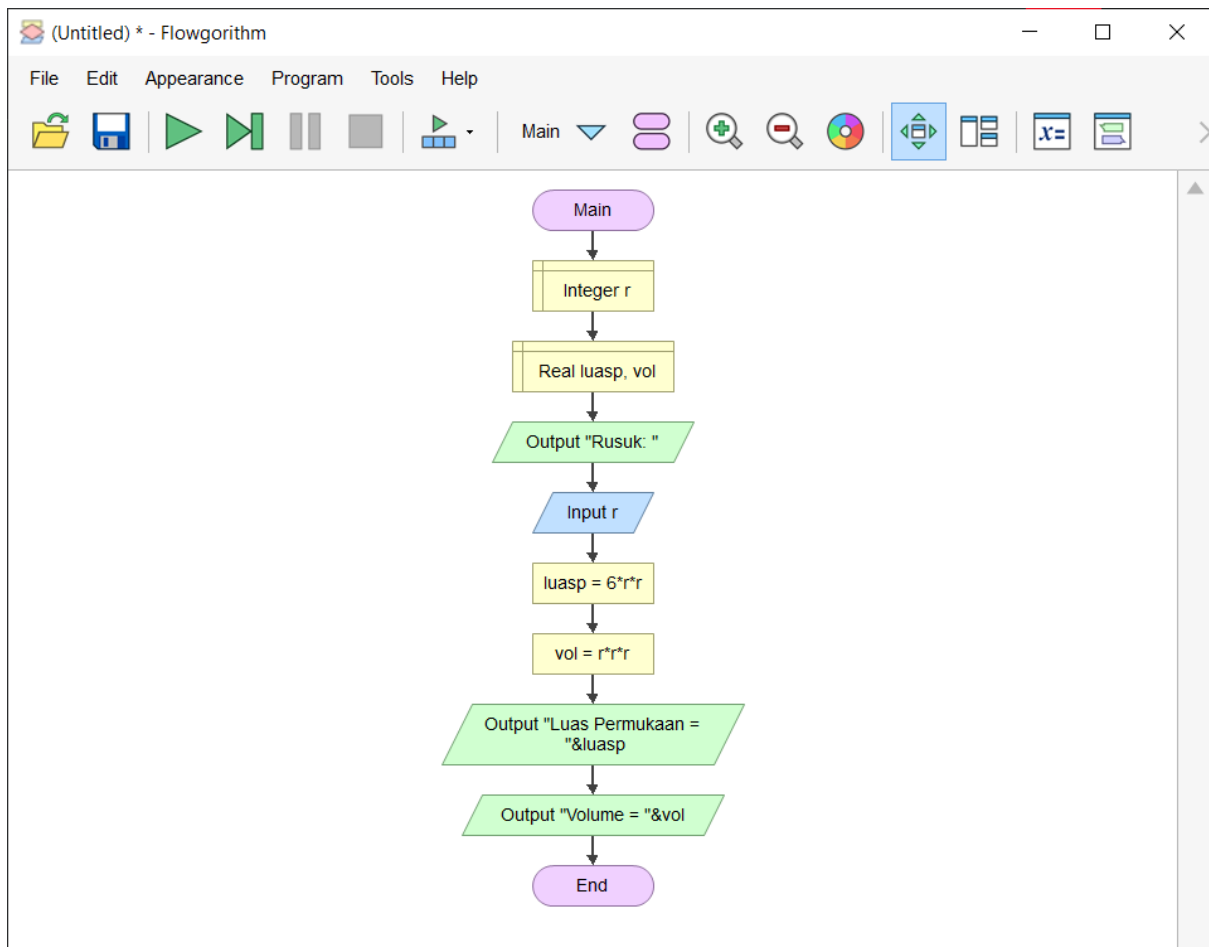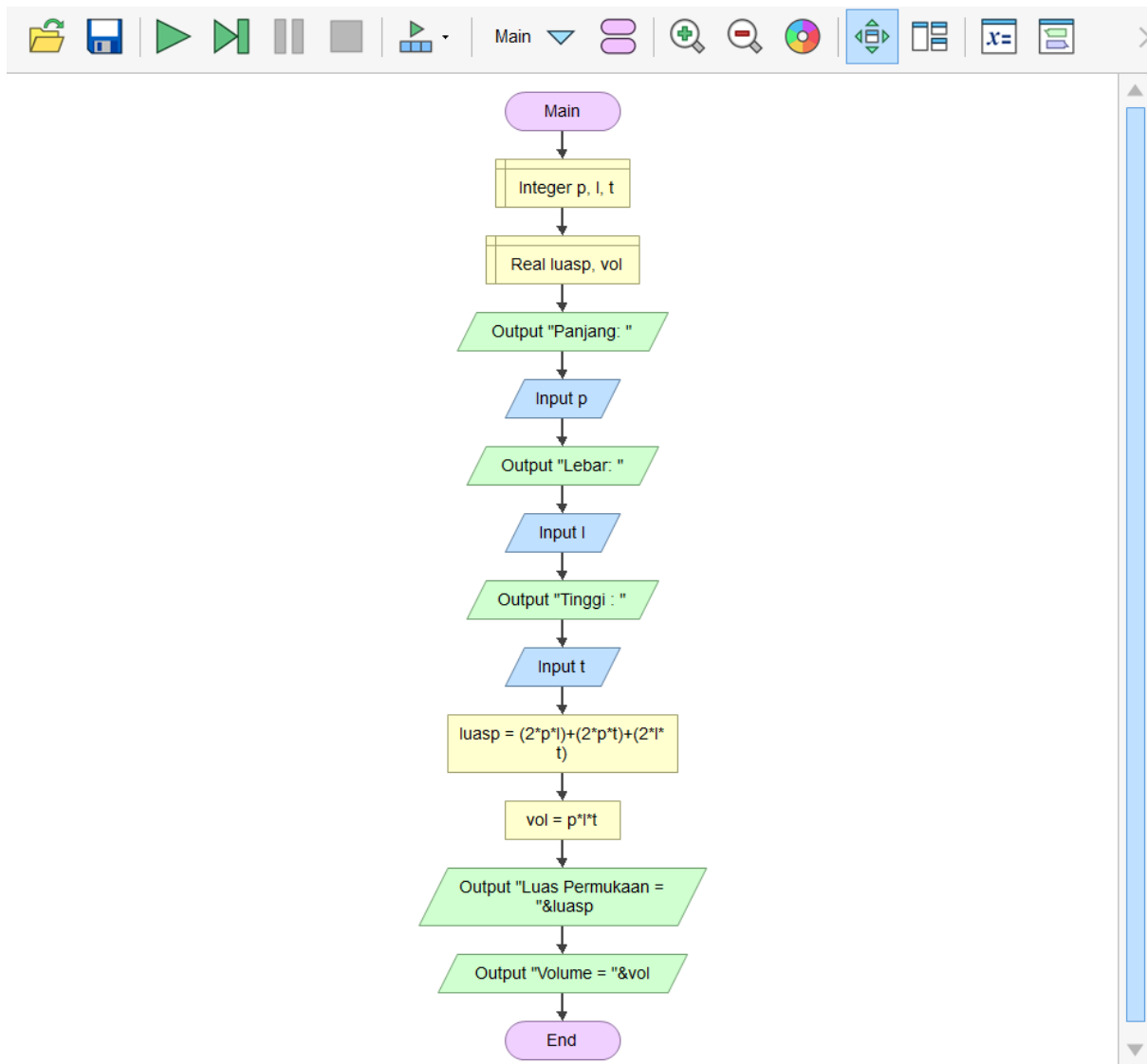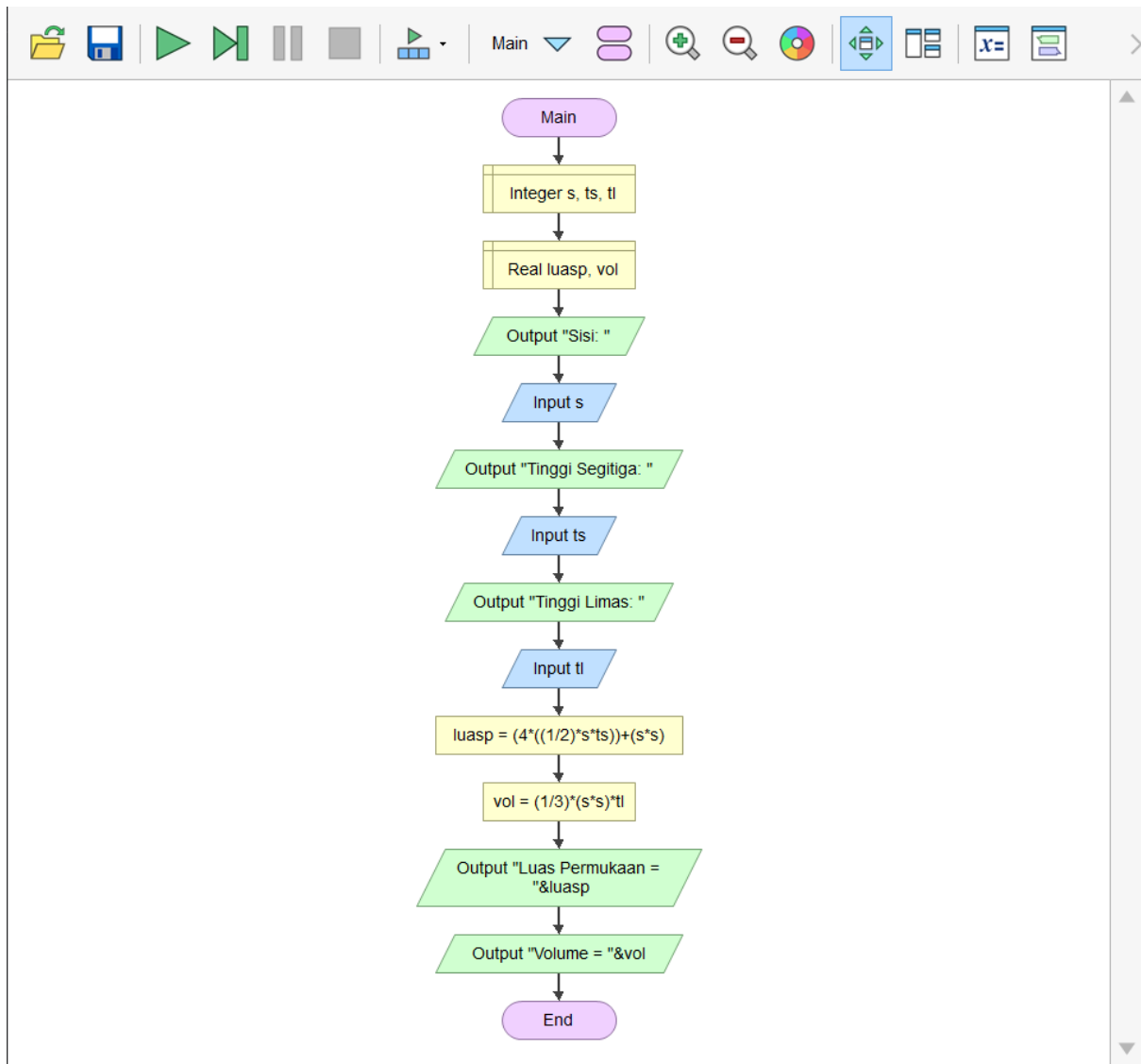Tugas Bangun ruang

Kubus


```python
bangundatar.py > ...
1    print("Rusuk: ")
2    r = int(input())
3    luasp = 6 * r * r
4    vol = r * r * r
5    print("Luas Permukaan = " + str(luasp))
6    print("Volume = " + str(vol))
7    |
```

Balok

Main

Integer p, l, t

Real luasp, vol

Output "Panjang: "

Input p

Output "Lebar: "

Input l

Output "Tinggi : "

Input t

luasp = (2*p*l)+(2*p*t)+(2*l*t)

vol = p*l*t

Output "Luas Permukaan = "&luasp

Output "Volume = "&vol

End

```python
bangundatar.py > ...
1   print("Panjang: ")
2   p = int(input())
3   print("Lebar: ")
4   l = int(input())
5   print("Tinggi : ")
6   t = int(input())
7   luasp = 2 * p * l + 2 * p * t + 2 * l * t
8   vol = p * l * t
9   print("Luas Permukaan = " + str(luasp))
10  print("Volume = " + str(vol))
11
```
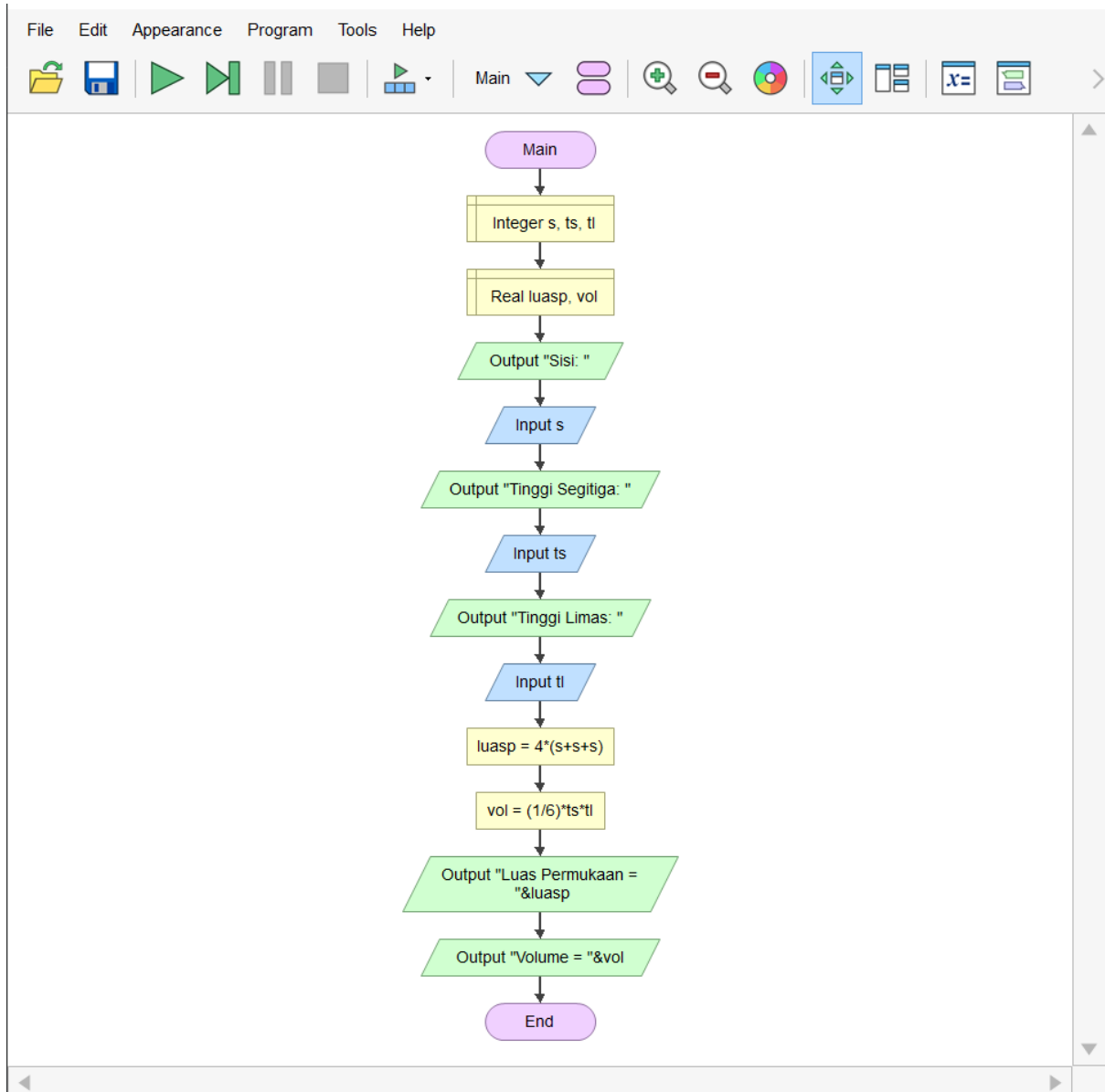
Limas Segiempat

Flowchart (Main):

- Main
- Integer s, ts, tl
- Real luasp, vol
- Output "Sisi: "
- Input s
- Output "Tinggi Segitiga: "
- Input ts
- Output "Tinggi Limas: "
- Input tl
- luasp = (4*((1/2)*s*ts))+(s*s)
- vol = (1/3)*(s*s)*tl
- Output "Luas Permukaan = "&luasp
- Output "Volume = "&vol
- End

```python
bangundatar.py > ...
1   print("Sisi: ")
2   s = int(input())
3   print("Tinggi Segitiga: ")
4   ts = int(input())
5   print("Tinggi Limas: ")
6   tl = int(input())
7   luasp = 4 * (float(1) / 2 * s * ts) + s * s
8   vol = float(1) / 3 * (s * s) * tl
9   print("Luas Permukaan = " + str(luasp))
10  print("Volume = " + str(vol))
11
```

Prisma Segitiga
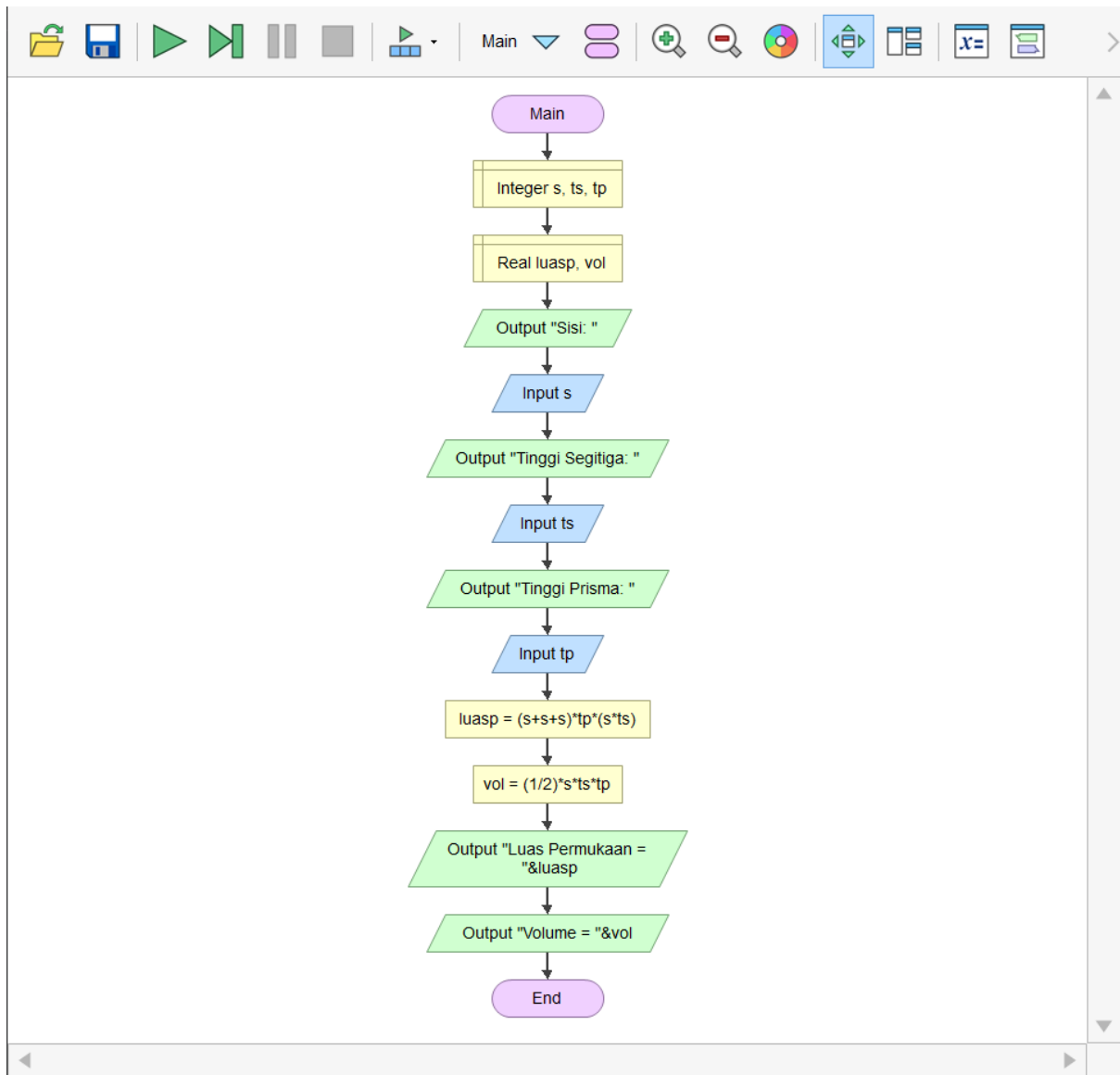
```python
bangundatar.py > ...
 1    print("Sisi: ")
 2    s = int(input())
 3    print("Tinggi Segitiga: ")
 4    ts = int(input())
 5    print("Tinggi Prisma: ")
 6    tp = int(input())
 7    luasp = (s + s + s) * tp * (s * ts)
 8    vol = float(1) / 2 * s * ts * tp
 9    print("Luas Permukaan = " + str(luasp))
10    print("Volume = " + str(vol))
11
```

Limas Segitiga

Main

Integer s, ts, tl

Real luasp, vol

Output "Sisi: "

Input s

Output "Tinggi Segitiga: "

Input ts

Output "Tinggi Limas: "

Input tl

luasp = 4*(s+s+s)

vol = (1/6)*ts*tl

Output "Luas Permukaan = "&luasp

Output "Volume = "&vol

End

```python
# bangundatar.py > ...
1   print("Sisi: ")
2   s = int(input())
3   print("Tinggi Segitiga: ")
4   ts = int(input())
5   print("Tinggi Limas: ")
6   tl = int(input())
7   luasp = 4 * (s + s + s)
8   vol = float(1) / 6 * ts * tl
9   print("Luas Permukaan = " + str(luasp))
10  print("Volume = " + str(vol))
11  
```
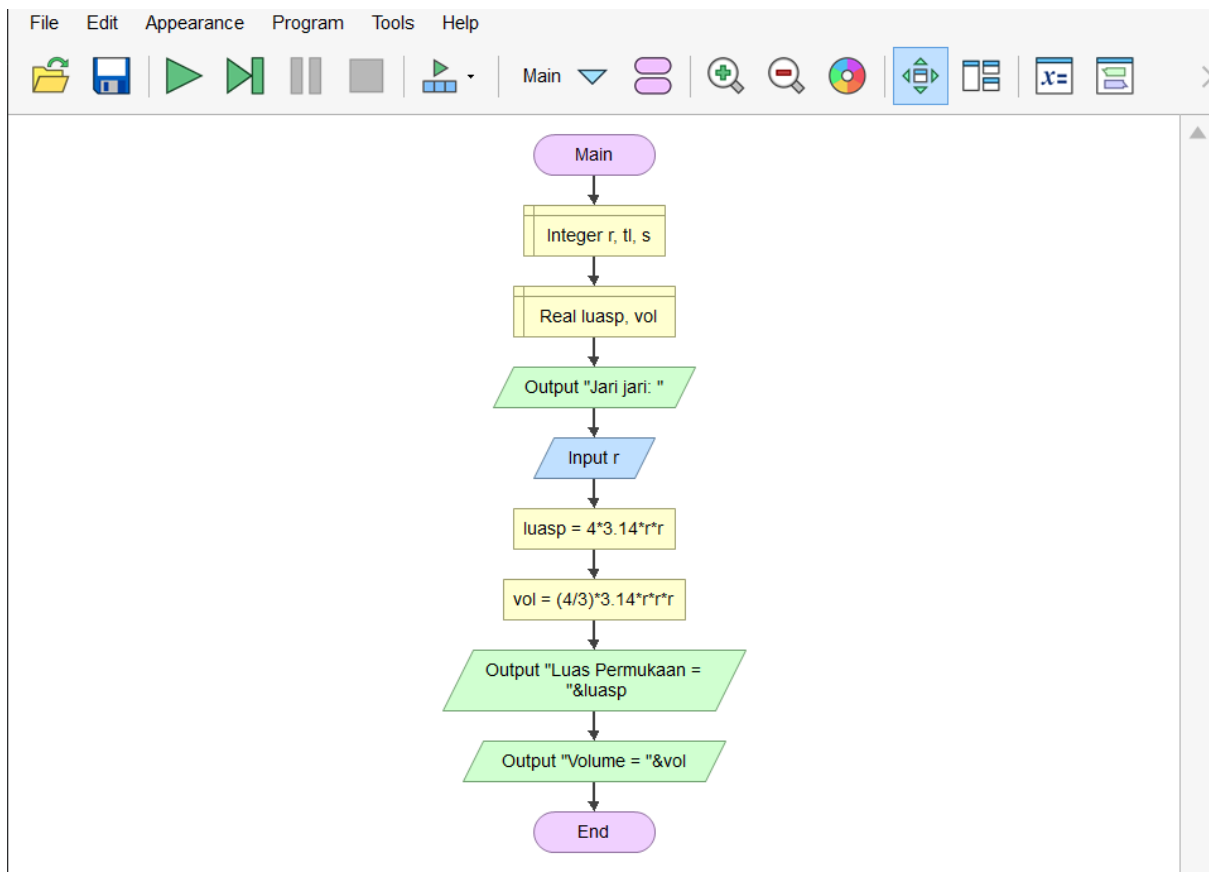
Tabung
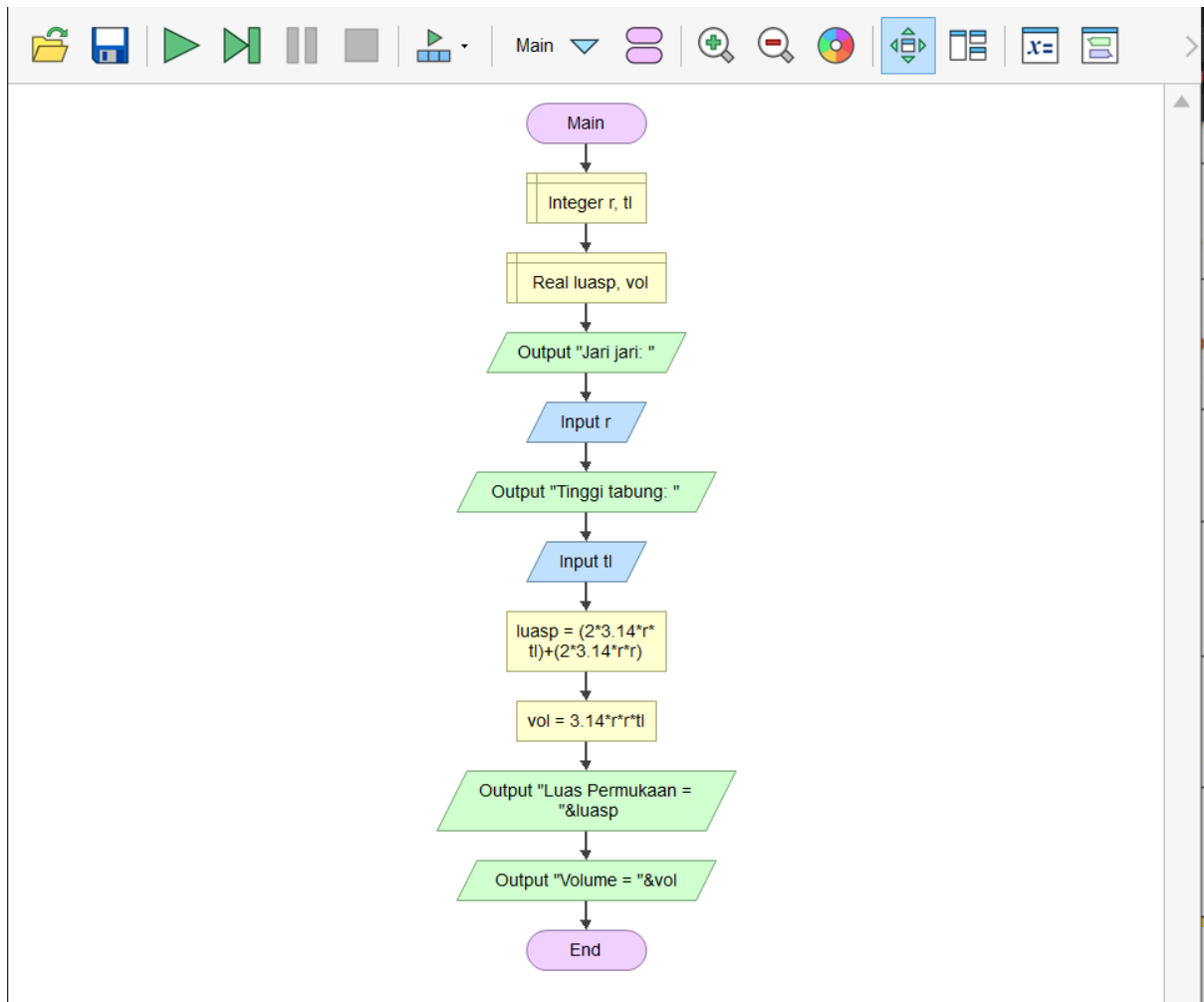
```python
bangundatar.py > ...
1    print("Jari jari: ")
2    r = int(input())
3    print("Tinggi tabung: ")
4    tl = int(input())
5    luasp = 2 * 3.14 * r * tl + 2 * 3.14 * r * r
6    vol = 3.14 * r * r * tl
7    print("Luas Permukaan = " + str(luasp))
8    print("Volume = " + str(vol))
9
```

Kerucut
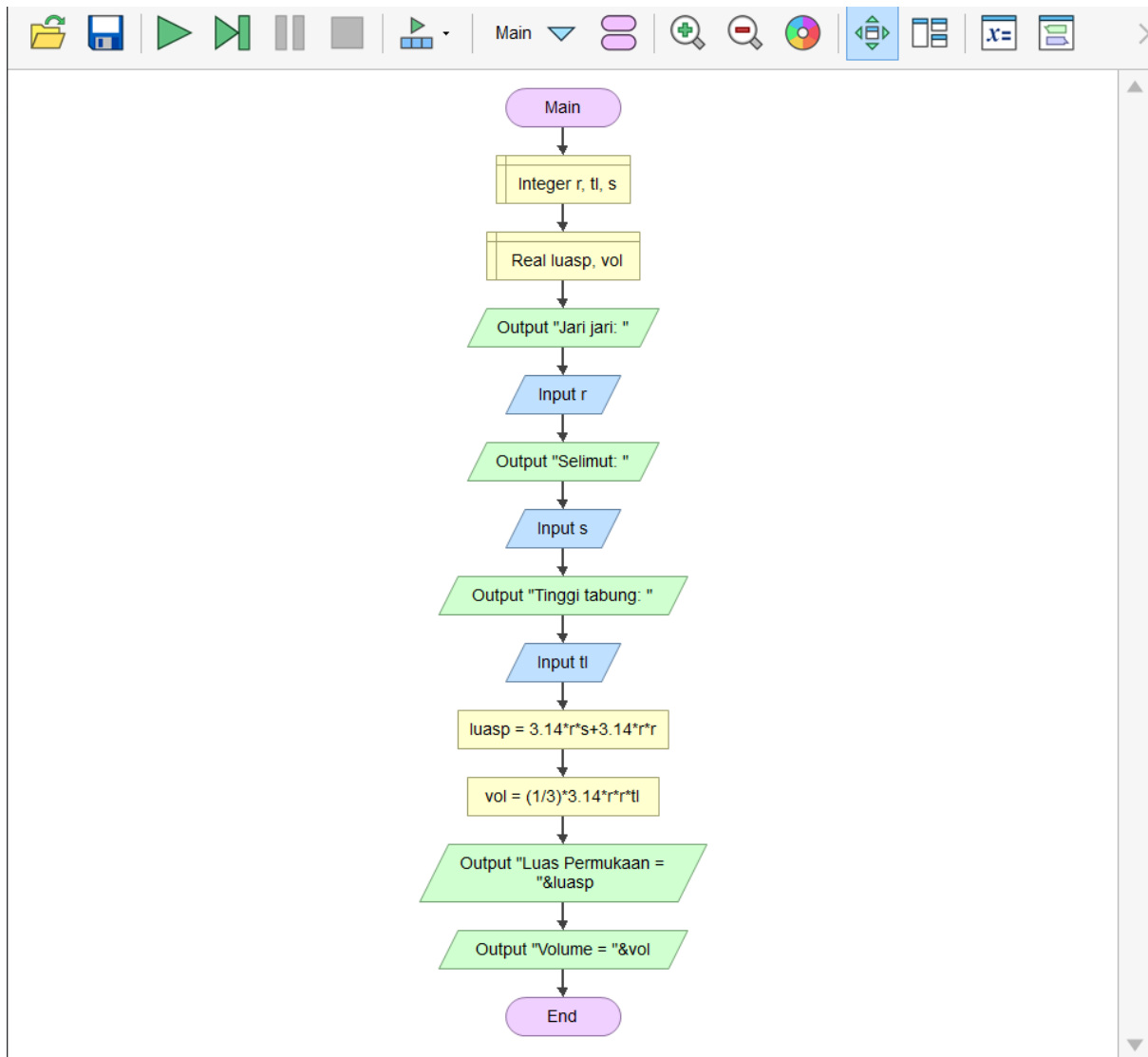
```python
bangundatar.py > ...
1    print("Jari jari: ")
2    r = int(input())
3    print("Selimut: ")
4    s = int(input())
5    print("Tinggi tabung: ")
6    tl = int(input())
7    luasp = 3.14 * r * s + 3.14 * r * r
8    vol = float(1) / 3 * 3.14 * r * r * tl
9    print("Luas Permukaan = " + str(luasp))
10   print("Volume = " + str(vol))
11
```

Bola

Main

Integer r, tl, s

Real luasp, vol

Output "Jari jari: "

Input r

luasp = 4*3.14*r*r

vol = (4/3)*3.14*r*r*r

Output "Luas Permukaan = "&luasp

Output "Volume = "&vol

End

bangundatar.py > ...

```python
print("Jari jari: ")
r = int(input())
luasp = 4 * 3.14 * r * r
vol = float(4) / 3 * 3.14 * r * r * r
print("Luas Permukaan = " + str(luasp))
print("Volume = " + str(vol))
```