

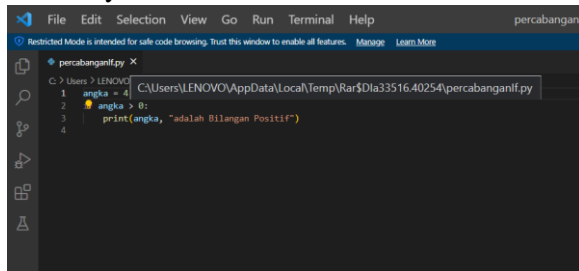
Nama : I Nengah Ariya Subawa

Nim : 211001067

Kelas : Informatika D

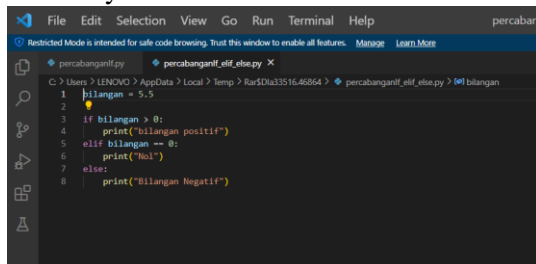
Modul IV

9.1 Pernyataan if



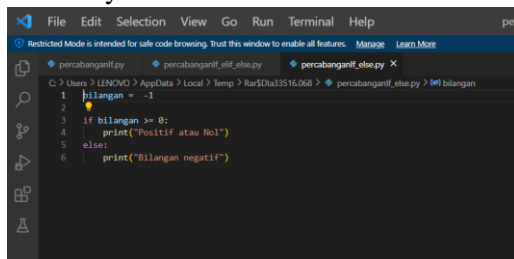
```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
percabanganif.py X
C:\Users\LENOVO\AppData\Local\Temp\Rar$Di33516.40254\percabanganif.py
1 angka = 4
2
3 if angka > 0:
4     print(angka, "adalah Bilangan Positif")
```

9.2 Pernyataan if...else



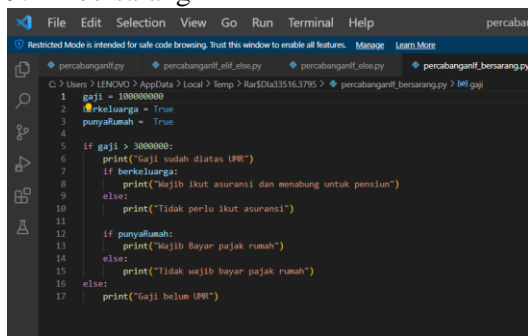
```
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percabanganif.py percabanganif_elif_else.py X
C:\Users\LENOVO\AppData\Local\Temp\Rar$Di33516.40864\percabanganif_elif_else.py > |BI| bilangan
1 bilangan = 5,5
2
3 if bilangan > 0:
4     print("bilangan positif")
5 elif bilangan == 0:
6     print("Nol")
7 else:
8     print("Bilangan Negatif")
```

9.3 Pernyataan if...elif...else...



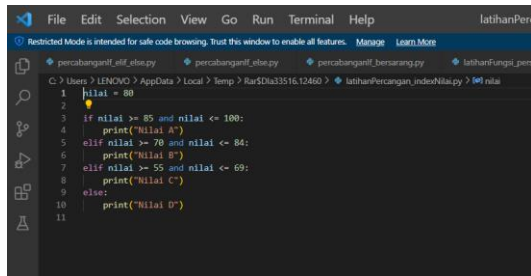
```
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percabanganif.py percabanganif_elif_else.py percabanganif_elif_else.py X
C:\Users\LENOVO\AppData\Local\Temp\Rar$Di33516.060\percabanganif_elif_else.py > |BI| bilangan
1 bilangan = -1
2
3 if bilangan >= 0:
4     print("Positif atau Nol")
5 else:
6     print("Bilangan negatif")
```

9.4 if bersarang



```
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percabanganif.py percabanganif_elif_else.py percabanganif_elif_else.py percabanganif_bersarang.py X
C:\Users\LENOVO\AppData\Local\Temp\Rar$Di33516.3795\percabanganif_bersarang.py > |BI| gaji
1 gaji = 100000000
2 berkeluarga = True
3 punyaRumah = True
4
5 if gaji > 30000000:
6     print("Gaji sudah diatas UMR")
7     if berkeluarga:
8         print("wajib ikut asuransi dan menabung untuk pensiun")
9     else:
10        print("Tidak perlu ikut asuransi")
11
12 if punyaRumah:
13     print("wajib Bayar pajak rumah")
14 else:
15     print("Tidak wajib bayar pajak rumah")
16 else:
17     print("Gaji belum UMR")
```

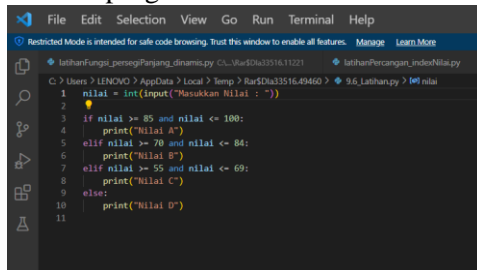
Percabangan Indeks Nilai Statis



```
File Edit Selection View Go Run Terminal Help latihanPerc
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
percabanganIf_elif_else.py percabanganIf_else.py percabanganIf_bersarang.py latihanFungsi_pem
C:\Users\LENOVO> AppData\Local\Temp\Rar$Diag33516.12460 > latihanPercabangan_indexNilai.py & nilai
1 nilai = 88
2
3 if nilai >= 85 and nilai <= 100:
4     print("Nilai A")
5 elif nilai >= 70 and nilai <= 84:
6     print("Nilai B")
7 elif nilai >= 55 and nilai <= 69:
8     print("Nilai C")
9 else:
10    print("Nilai D")
11
```

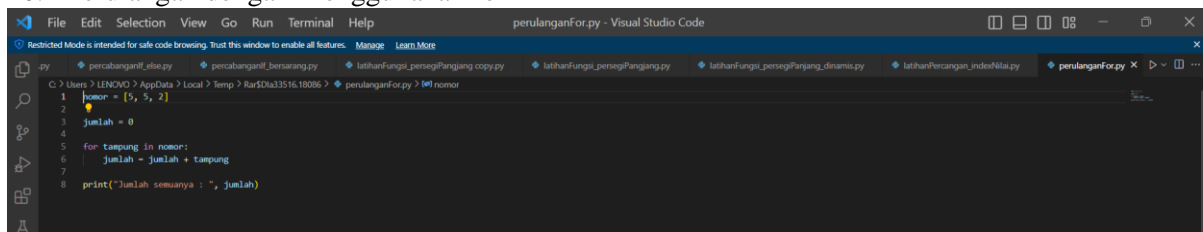
9.6 Latihan

Buatlah program indeks nilai diatas menjadi dinamis.



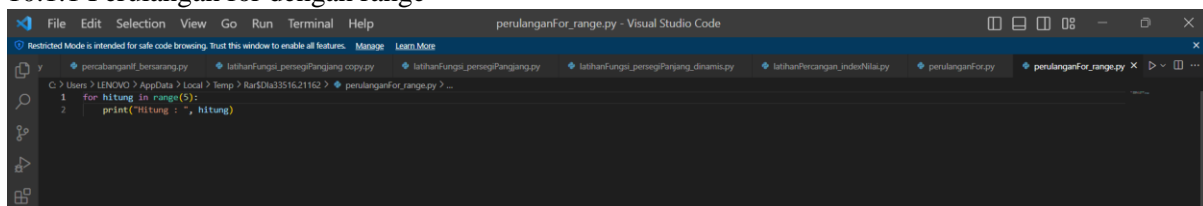
```
File Edit Selection View Go Run Terminal Help
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latihanFungsi_persegPangang_dinamis.py C:\Users\LENOVO\AppData\Local\Temp\Rar$Diag33516.11221 latihanPercabangan_indexNilai.py
C:\Users\LENOVO> AppData\Local\Temp\Rar$Diag33516.49460 > 9.6.Latihan.py & nilai
1 nilai = int(input("Masukkan Nilai : "))
2
3 if nilai >= 85 and nilai <= 100:
4     print("Nilai A")
5 elif nilai >= 70 and nilai <= 84:
6     print("Nilai B")
7 elif nilai >= 55 and nilai <= 69:
8     print("Nilai C")
9 else:
10    print("Nilai D")
11
```

10.1 Perulangan dengan Menggunakan for



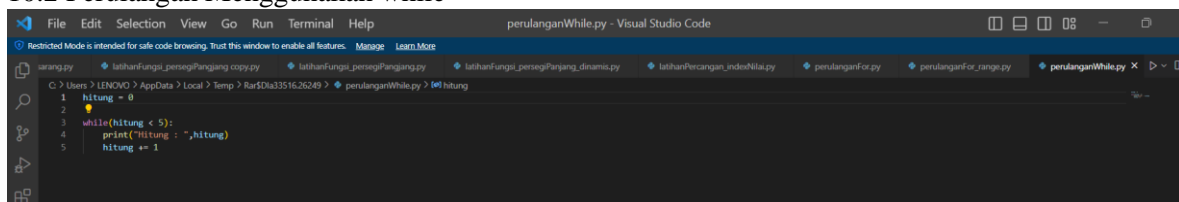
```
File Edit Selection View Go Run Terminal Help perulanganFor.py - Visual Studio Code
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percabanganIf_elif_else.py percabanganIf_bersarang.py latihanFungsi_persegPangang_copy.py latihanFungsi_persegPangang.py latihanFungsi_persegPangang_dinamis.py latihanPercabangan_indexNilai.py perulanganFor.py
C:\Users\LENOVO> AppData\Local\Temp\Rar$Diag33516.10086 > perulanganFor.py & nomor
1 nomor = [5, 5, 2]
2
3 jumlah = 0
4
5 for tampung in nomor:
6     jumlah = jumlah + tampung
7
8 print("Jumlah semuanya : ", jumlah)
```

10.1.1 Perulangan for dengan range



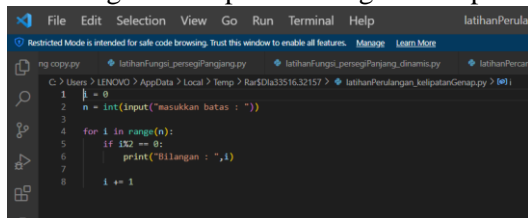
```
File Edit Selection View Go Run Terminal Help perulanganFor_range.py - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
arang.py latihanFungsi_persegPangang_copy.py latihanFungsi_persegPangang.py latihanFungsi_persegPangang_dinamis.py latihanPercabangan_indexNilai.py perulanganFor.py perulanganFor_range.py
C:\Users\LENOVO> AppData\Local\Temp\Rar$Diag33516.21162 > perulanganFor_range.py > ...
1 for hitung in range(5):
2     print("Hitung : ", hitung)
```

10.2 Perulangan Menggunakan while



```
File Edit Selection View Go Run Terminal Help perulanganWhile.py - Visual Studio Code
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arang.py latihanFungsi_persegPangang_copy.py latihanFungsi_persegPangang.py latihanFungsi_persegPangang_dinamis.py latihanPercabangan_indexNilai.py perulanganFor.py perulanganFor_range.py perulanganWhile.py
C:\Users\LENOVO> AppData\Local\Temp\Rar$Diag33516.26249 > perulanganWhile.py > hitung
1 hitung = 0
2
3 while(hitung < 5):
4     print("Hitung : ", hitung)
5     hitung += 1
```

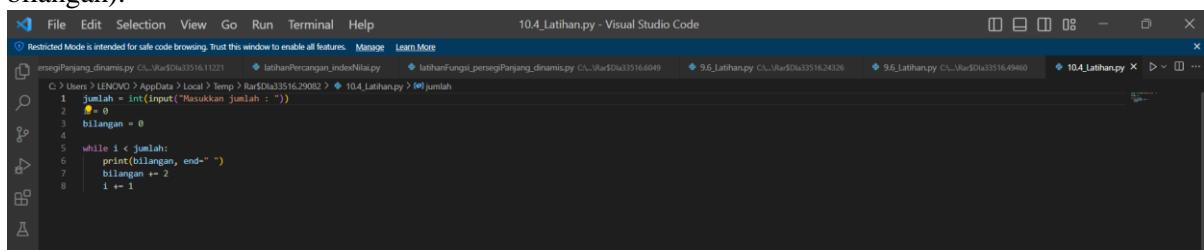
10.3 Program Kelipatan Bilangan Genap



```
1 i = 0
2 n = int(input("masukkan batas : "))
3
4 for i in range(n):
5     if i % 2 == 0:
6         print("Bilangan : ", i)
7     i += 1
```

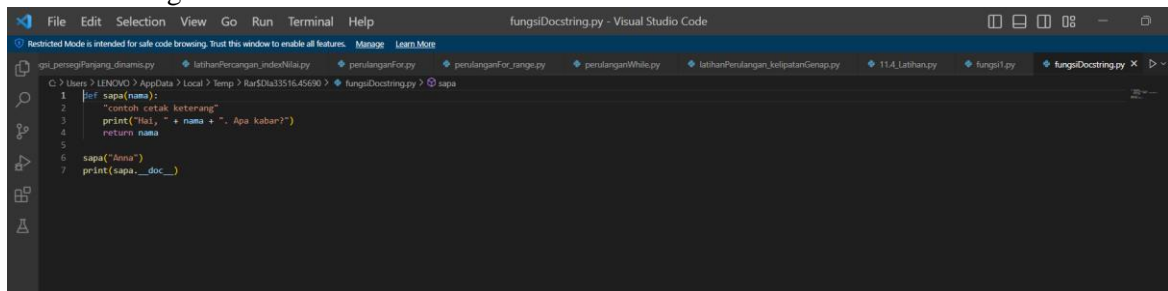
10.4 Latihan

Buatlah program kelipatan bilangan genap dengan menampilkan banyaknya jumlah. Misalnya, apabila diinput 10, maka yang tampil adalah 0 2 4 6 8 10 12 14 16 18 (10 bilangan).



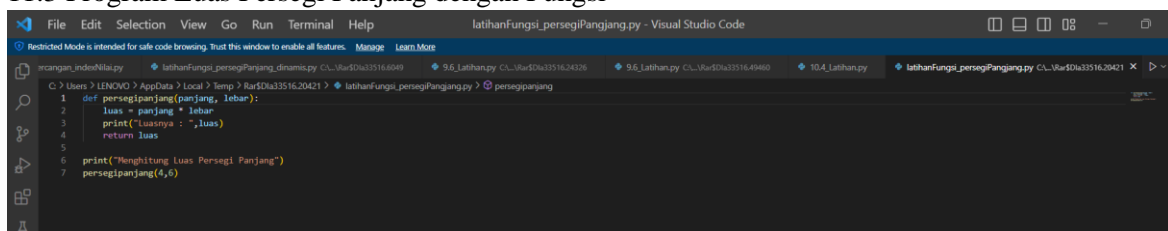
```
1 jumlah = int(input("Masukkan jumlah : "))
2
3 bilangan = 0
4
5 while i < jumlah:
6     print(bilangan, end=" ")
7     bilangan += 2
8     i += 1
```

11.2 Docstring

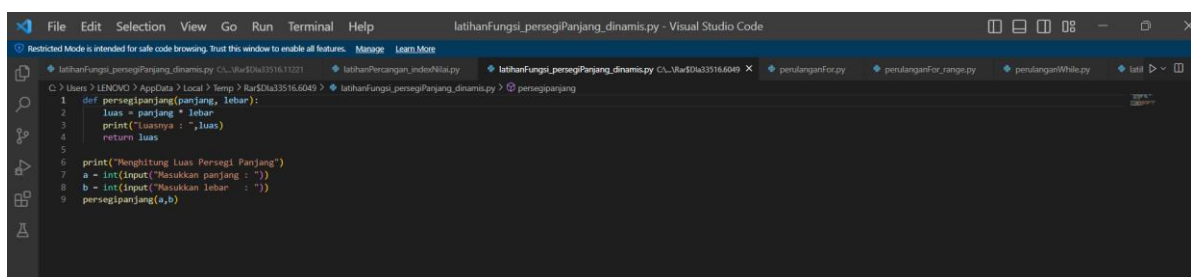


```
1 def sapa(nama):
2     """contoh cetak keterangan"""
3     print("Hai, " + nama + ", Apa kabar?")
4     return nama
5
6 sapa("Anna")
7 print(sapa.__doc__)
```

11.3 Program Luas Persegi Panjang dengan Fungsi



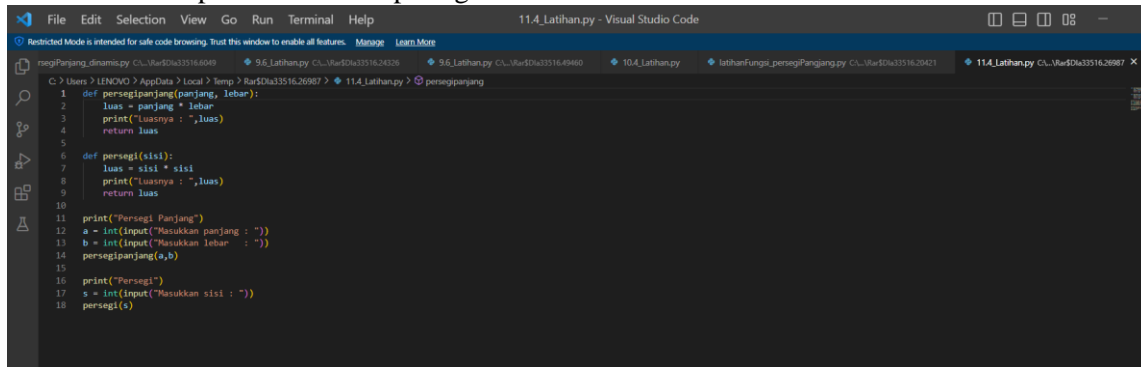
```
1 def persegi panjang(panjang, lebar):
2     luas = panjang * lebar
3     print("Luasnya : ", luas)
4     return luas
5
6 print("Menghitung Luas Persegi Panjang")
7 persegi panjang(4,6)
```



```
1 def persegi panjang(panjang, lebar):
2     luas = panjang * lebar
3     print("Luasnya : ", luas)
4     return luas
5
6 print("Menghitung Luas Persegi Panjang")
7 a = int(input("Masukkan panjang : "))
8 b = int(input("Masukkan lebar : "))
9 persegi panjang(a,b)
```

11.4 Latihan

Buatlah program dinamis menghitung luas persegi panjang dan persegi dengan menggunakan 1 fungsi. Misalnya, apabila diinput panjang = 4 dan lebar 3, maka tampil luas persegi panjang = 12. Dan apabila diinput sisi persegi = 3, maka tampil luas persegi = 9. Contoh tampilan terminal seperti gambar dibawah.



```
File Edit Selection View Go Run Terminal Help 11.4_Latihan.py - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
rsegiPanjang_dinamis.py C:\Users\LENOVO\AppData\Local\Temp\RadDa33516.26987 9.6_Latihan.py C:\Users\LENOVO\AppData\Local\Temp\RadDa33516.26987 9.6_Latihan.py C:\Users\LENOVO\AppData\Local\Temp\RadDa33516.26987 10.4_Latihan.py latihanFungsi_persegiPanjang.py C:\Users\LENOVO\AppData\Local\Temp\RadDa33516.26987 11.4_Latihan.py C:\Users\LENOVO\AppData\Local\Temp\RadDa33516.26987
C:\Users\LENOVO\AppData\Local\Temp\RadDa33516.26987> 11.4_Latihan.py> persegpanjang
1 def persegipanjang(panjang, lebar):
2     luas = panjang * lebar
3     print("Luasnya : ",luas)
4     return luas
5
6 def persegi(sisi):
7     luas = sisi * sisi
8     print("Luasnya : ",luas)
9     return luas
10
11 print("Persegi Panjang")
12 a = int(input("Masukkan panjang : "))
13 b = int(input("Masukkan lebar : "))
14 persegipanjang(a,b)
15
16 print("Persegi")
17 s = int(input("Masukkan sisi : "))
18 persegi(s)
```