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1. Disini saya membuat program python tentang mencari bilangan terbesar dari dua buah bilangan

The screenshot shows the Visual Studio Code interface with a Python file named `pratikum2.py` open. The code is as follows:

```
1 c = int(input("c : "))
2 d = int(input("d : "))
3
4 print(c, d)
5 if c > d:
6     print("nilai terbesar: " + str(c))
7 else:
8     print("nilai terbesar: " + str(d))
9
```

The terminal output shows the execution of the program:

```
PS C:\Users\USER\Desktop\python> C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe c:/Users/USER/Desktop/python/keenam/pratikum2.py
c : 24
d : 16
24 16
nilai terbesar: 24
PS C:\Users\USER\Desktop\python>
```

2. Disini saya membuat program python tentang mencari bilangan terbesar dari tiga buah bilangan

The screenshot shows the Visual Studio Code interface with a Python file named `pratikum.py` open. The code is as follows:

```
1 d = int(input('d : '))
2 e = int(input('e : '))
3 f = int(input('f : '))
4
5 print(d, e, f)
6 if d > e and d > f:
7     print('d yang terbesar: ' + str(d))
8 elif e > d and e > f:
9     print('e yang terbesar: ' + str(e))
10 else:
11     print('f yang terbesar: ' + str(f))
12
```

The terminal output shows the execution of the program:

```
PS C:\Users\USER\Desktop\python> C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe c:/Users/USER/Desktop/python/keenam/pratikum.py
d : 24
e : 36
f : 48
24 36 48
f yang terbesar: 48
PS C:\Users\USER\Desktop\python>
```

3. Disini saya membuat pogram python tentang mencari bilangan yang sama

```
praktikum4.py > ...
1 k = int(input("k : "))
2 l = int(input("l : "))
3 m = int(input("m : "))
4
5 print(k, l, m)
6 if k == l or k == m:
7     same = k
8     print("nilai bilangan yang sama :", same)
9 elif l == k or l == m:
10    same = l
11    print("nilai bilangan yang sama : ", same)
12 else:
13     maks = m
14     print("tidak ada bilangan yang sama ")
15
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe e:/praktikum4.py
k : 23
l : 45
m : 56
23 45 56
nilai bilangan yang sama : 45
PS E:\>
```

4. Disini saya membuat program python tentang menghitung berat badan ideal

```
pratikum4.py > ...
1 nama = input("nama anda : ")
2 tinggi = int(input("tinggi : "))
3 berat_ideal = tinggi - 100
4 print(f"saudara {nama} , berat ideal anda adalah {berat_ideal} kg")
5
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

Cannot load PSReadline module. Console is running without PSReadline.
PS C:\Users\USER\Desktop\python> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/python/keenan/pratikum4.py
nama anda : Nurmala
tinggi : 156
saudara Nurmala , berat ideal anda adalah 56 kg
PS C:\Users\USER\Desktop\python>
```

5. Disini saya membuat program python tentang menghitung nilai akhir dan grade mahasiswa di mata kuliah pemrograman

The screenshot shows the Visual Studio Code editor with the file explorer on the left and the code editor in the center. The file explorer shows a project structure with a folder named 'PYTHON' containing several files. The file 'pratikum5e.py' is selected. The code editor displays the following Python code:

```
1 print("PROGRAM MENGHITUNG NILAI AKHIR DAN GRADE MATA KULIAH PEMROGRAMAN")
2 print("=====")
3 nama = input("masukkan nama : ")
4 nim = input("masukkan NIM : ")
5 kelas = input("masukkan kelas : ")
6
7 tugas = float(input("masukkan nilai tugas : "))#nilai tugas 30%
8 uts = int(input("masukkan nilai uts :"))#nilai uts 30%
9 uas = int(input("masukkan nilai uas :"))#nilai uas 30%
10
11 print("NILAI AKHIR DAN GRADE MAHASISWA")
12 print("\nnama : ", nama)
13 print("\nNILAI AKHIR")
14 NA = (0.30 * tugas) + (0.30 * uts) + (0.30 * uas)
15 print(f"{NA}")
16
17 if NA >= 80:
18     grade = "A"
19 elif 60 <= NA < 70:
20     grade = "B"
21 elif 40 <= NA < 60:
22     grade = "C"
23 elif 0 <= NA < 40:
24     grade = "D"
25 elif NA > 0:
26     grade = "E"
27 if grade and 70:
28     print("grade : " + str(grade))
29
```

The screenshot shows the Visual Studio Code editor with the file explorer on the left and the code editor in the center. The file explorer shows a project structure with a folder named 'PYTHON' containing several files. The file 'pratikum5e.py' is selected. The code editor displays the following Python code:

```
1 print("PROGRAM MENGHITUNG NILAI AKHIR DAN GRADE MATA KULIAH PEMROGRAMAN")
2 print("=====")
3 nama = input("masukkan nama : ")
4 nim = input("masukkan NIM : ")
5 kelas = input("masukkan kelas : ")
6
7 tugas = float(input("masukkan nilai tugas : "))#nilai tugas 30%
8 uts = int(input("masukkan nilai uts :"))#nilai uts 30%
9 uas = int(input("masukkan nilai uas :"))#nilai uas 30%
10
11 print("NILAI AKHIR DAN GRADE MAHASISWA")
12 print("\nnama : ", nama)
13 print("\nNILAI AKHIR")
14 NA = (0.30 * tugas) + (0.30 * uts) + (0.30 * uas)
15 print(f"{NA}")
16
17 if NA >= 80:
18     grade = "A"
19 elif 60 <= NA < 70:
20     grade = "B"
21 elif 40 <= NA < 60:
22     grade = "C"
23 elif 0 <= NA < 40:
24     grade = "D"
25 elif NA > 0:
26     grade = "E"
27 if grade and 70:
28     print("grade : " + str(grade))
29
```

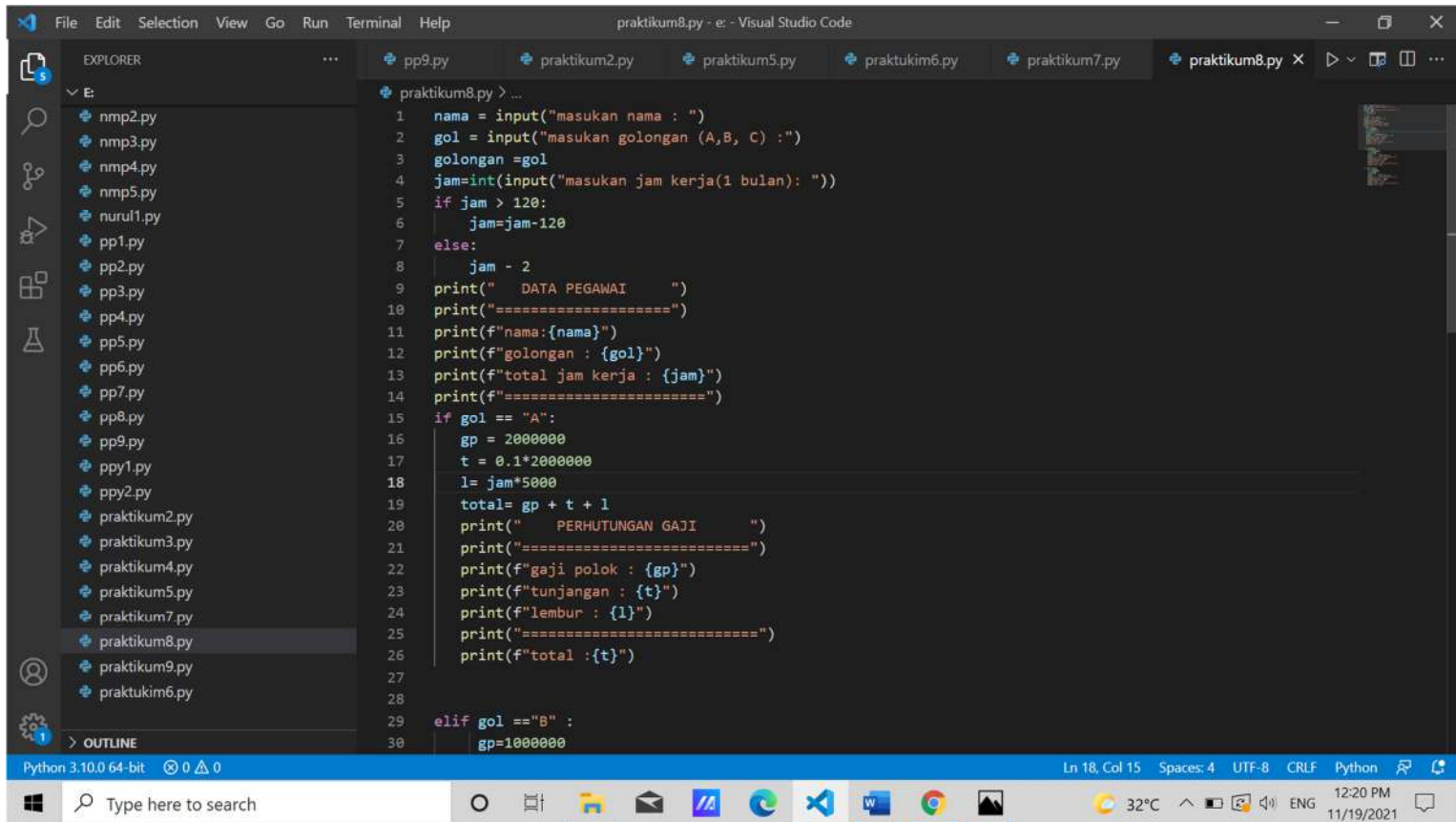
The output of the program is shown in the terminal window at the bottom:

```
PROGRAM MENGHITUNG NILAI AKHIR DAN GRADE MATA KULIAH PEMROGRAMAN
=====
masukkan nama : Nurmala
masukkan NIM : 20.01.013.069
masukkan kelas : A
masukkan nilai tugas : 100
masukkan nilai uts : 96
masukkan nilai uas : 98
NILAI AKHIR DAN GRADE MAHASISWA

nama : Nurmala

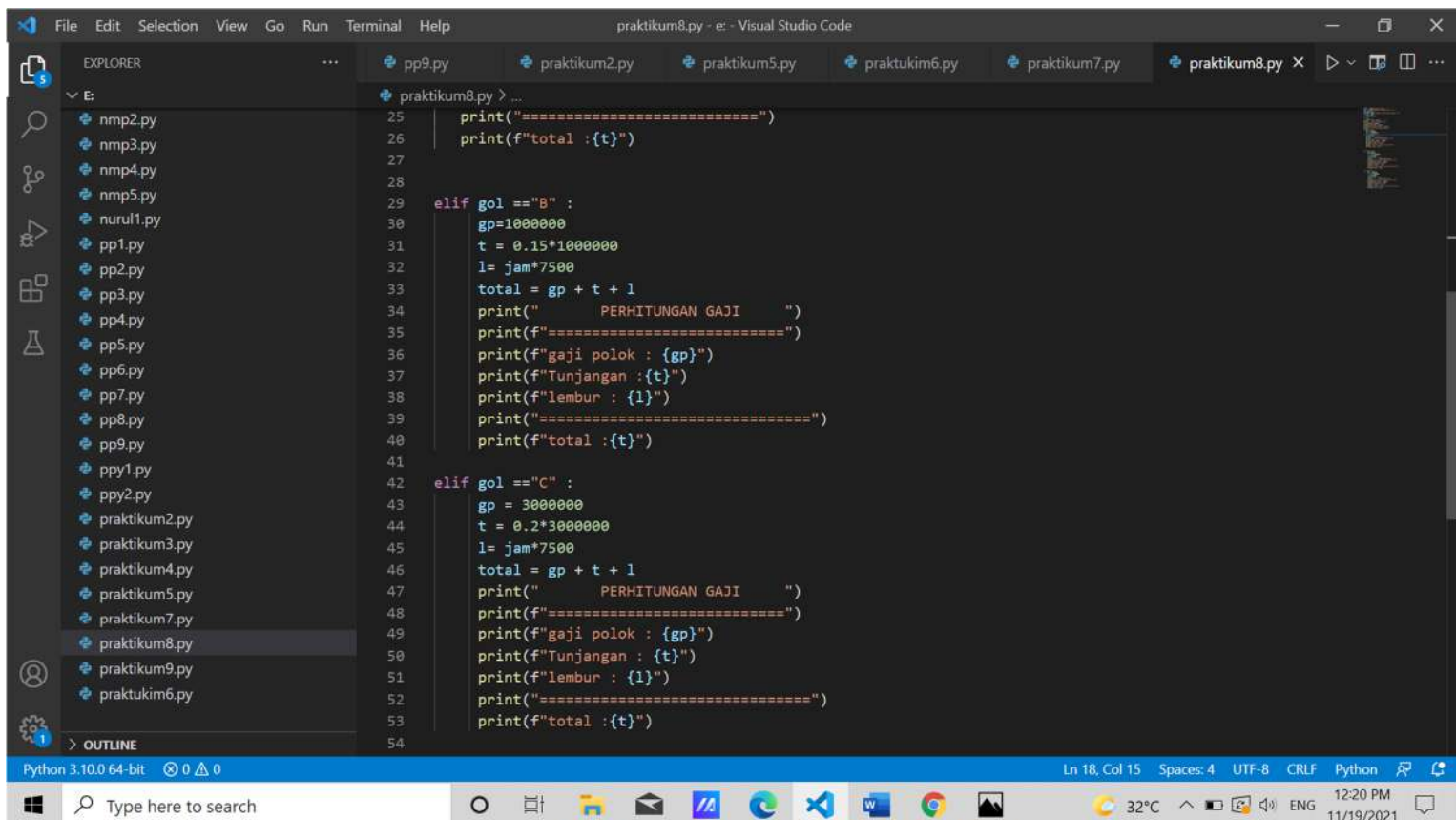
NILAI AKHIR
88.19999999999999
grade : A
```


6. Disini saya membuat program python tentang menentukan gaji dari pegawai



The screenshot shows the Visual Studio Code editor with a Python file named `praktikum8.py`. The code is a script for calculating an employee's salary based on their category (A, B, or C) and working hours. The program prompts the user for their name, category, and working hours. It then calculates the total salary, including a base salary, a bonus (10% of base salary), and overtime pay (5000 per hour over 120 hours). The results are printed in a formatted manner.

```
praktikum8.py > ...
1  nama = input("masukan nama : ")
2  gol = input("masukan golongan (A,B, C) :")
3  golongan = gol
4  jam=int(input("masukan jam kerja(1 bulan): "))
5  if jam > 120:
6      jam=jam-120
7  else:
8      jam = 2
9  print(" DATA PEGAWAI ")
10 print("=====")
11 print(f"nama:{nama}")
12 print(f"golongan : {gol}")
13 print(f"total jam kerja : {jam}")
14 print(f"=====")
15 if gol == "A":
16     gp = 2000000
17     t = 0.1*2000000
18     l= jam*5000
19     total= gp + t + l
20     print(" PERHITUNGAN GAJI ")
21     print("=====")
22     print(f"gaji polok : {gp}")
23     print(f"tunjangan : {t}")
24     print(f"lembur : {l}")
25     print("=====")
26     print(f"total :{t}")
27
28
29 elif gol == "B" :
30     gp=1000000
```



The screenshot shows the continuation of the Python program in `praktikum8.py`. It handles category 'B' and category 'C'. For category 'B', the base salary is 1,000,000, the bonus is 15% of the base salary, and overtime pay is 7,500 per hour over 120 hours. For category 'C', the base salary is 3,000,000, the bonus is 20% of the base salary, and overtime pay is 7,500 per hour over 120 hours. The results are printed in a formatted manner.

```
praktikum8.py > ...
25 print("=====")
26 print(f"total :{t}")
27
28
29 elif gol == "B" :
30     gp=1000000
31     t = 0.15*1000000
32     l= jam*7500
33     total = gp + t + l
34     print(" PERHITUNGAN GAJI ")
35     print("=====")
36     print(f"gaji polok : {gp}")
37     print(f"Tunjangan :{t}")
38     print(f"lembur : {l}")
39     print("=====")
40     print(f"total :{t}")
41
42 elif gol == "C" :
43     gp = 3000000
44     t = 0.2*3000000
45     l= jam*7500
46     total = gp + t + l
47     print(" PERHITUNGAN GAJI ")
48     print(f"=====")
49     print(f"gaji polok : {gp}")
50     print(f"Tunjangan : {t}")
51     print(f"lembur : {l}")
52     print("=====")
53     print(f"total :{t}")
54
```

