

**LAPORAN PRAKTIKUM
PEMROGRAMAN PHYTON**

PRAKTIKUM 5



Disusun Oleh :

Eriska Devi Fitriani (V3923008)

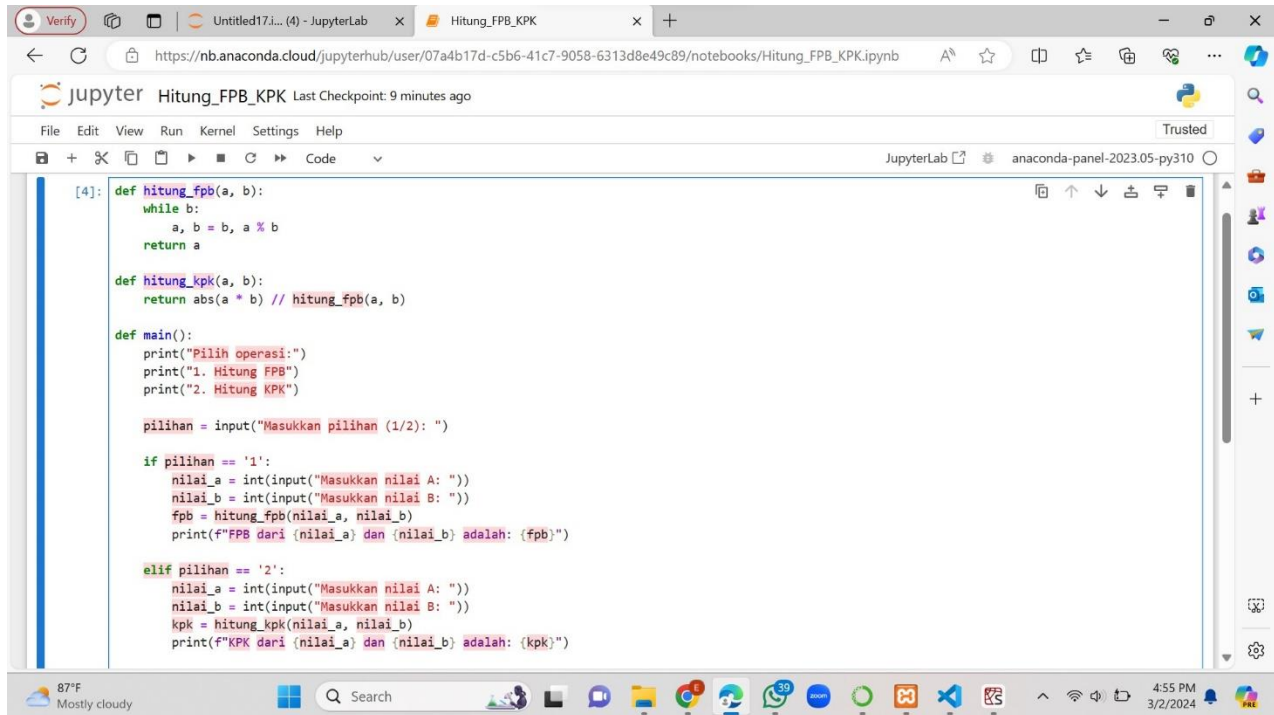
Dosen :

Yusuf Fadila Rachman. S.Kom., M.Kom

**PSDKU D-III TEKNIK INFORMATIKA
SEKOLAH VOKASI
UNIVERSITAS SEBELAS MARET**

Membuat Function

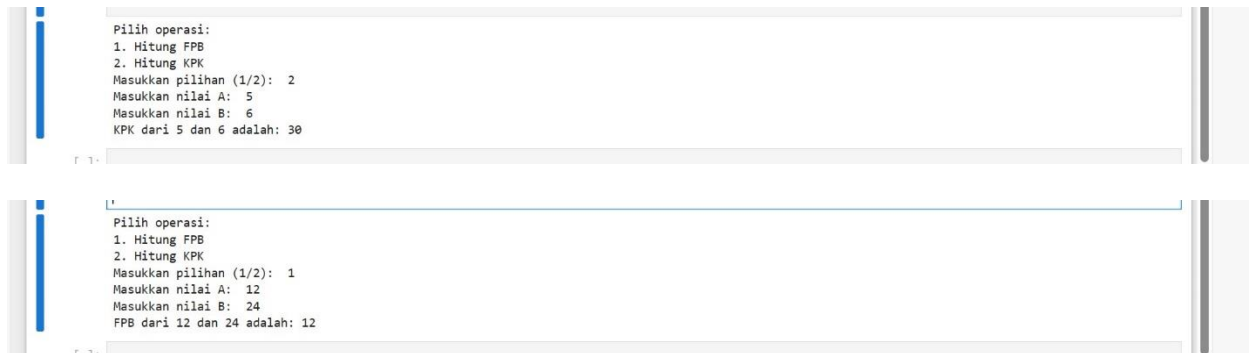
Input



The screenshot shows a JupyterLab window with a Python script. The script defines two functions: `hitung_fpb` and `hitung_kpk`. `hitung_fpb` uses a while loop to find the Greatest Common Divisor (FPB) of two numbers. `hitung_kpk` uses the formula $\text{KPK} = \frac{\text{abs}(a \cdot b)}{\text{FPB}}$ to find the Least Common Multiple (KPK). The `main` function prompts the user to choose an operation (1 for FPB, 2 for KPK), takes inputs for two numbers, and prints the result.

```
[4]: def hitung_fpb(a, b):  
    while b:  
        a, b = b, a % b  
    return a  
  
    def hitung_kpk(a, b):  
        return abs(a * b) // hitung_fpb(a, b)  
  
    def main():  
        print("Pilih operasi:")  
        print("1. Hitung FPB")  
        print("2. Hitung KPK")  
  
        pilihan = input("Masukkan pilihan (1/2): ")  
  
        if pilihan == '1':  
            nilai_a = int(input("Masukkan nilai A: "))  
            nilai_b = int(input("Masukkan nilai B: "))  
            fpb = hitung_fpb(nilai_a, nilai_b)  
            print(f"FPB dari {nilai_a} dan {nilai_b} adalah: {fpb}")  
  
            elif pilihan == '2':  
                nilai_a = int(input("Masukkan nilai A: "))  
                nilai_b = int(input("Masukkan nilai B: "))  
                kpk = hitung_kpk(nilai_a, nilai_b)  
                print(f"KPK dari {nilai_a} dan {nilai_b} adalah: {kpk}")  
  
        else:  
            print("Pilihan tidak valid. Silakan pilih 1 atau 2.")  
  
    if __name__ == "__main__":  
        main()
```

Output



The first screenshot shows the output for input choice 2, where the FPB of 5 and 6 is calculated as 1, and the KPK is calculated as 30.

```
Pilih operasi:  
1. Hitung FPB  
2. Hitung KPK  
Masukkan pilihan (1/2): 2  
Masukkan nilai A: 5  
Masukkan nilai B: 6  
KPK dari 5 dan 6 adalah: 30
```

The second screenshot shows the output for input choice 1, where the FPB of 12 and 24 is calculated as 12, and the KPK is calculated as 24.

```
Pilih operasi:  
1. Hitung FPB  
2. Hitung KPK  
Masukkan pilihan (1/2): 1  
Masukkan nilai A: 12  
Masukkan nilai B: 24  
FPB dari 12 dan 24 adalah: 12
```