

```

1 #152023100_MuhammadFaislaA
2 data_panen = {
3     'lokasi1': {
4         'nama_lokasi': 'Kebun A',
5         'hasil_panen': {
6             'padi': 1200,
7             'jagung': 800,
8             'kedelai': 500
9         }
10    },
11    'lokasi2': {
12        'nama_lokasi': 'Kebun B',
13        'hasil_panen': {
14            'padi': 1500,
15            'jagung': 900,
16            'kedelai': 450
17        }
18    },
19    'lokasi3': {
20        'nama_lokasi': 'Kebun C',
21        'hasil_panen': {
22            'padi': 1100,
23            'jagung': 750,
24            'kedelai': 600
25        }
26    },
27    'lokasi4': {
28        'nama_lokasi': 'Kebun D',
29        'hasil_panen': {
30            'padi': 1300,
31            'jagung': 850,
32            'kedelai': 550
33        }
34    },
35    'lokasi5': {
36        'nama_lokasi': 'Kebun E',
37        'hasil_panen': {
38            'padi': 1400,
39            'jagung': 950,
40            'kedelai': 480
41        }
42    }
43 }
44
45 # 1. Menampilkan seluruh data
46 print("Seluruh data panen:")
47 for lokasi, info in data_panen.items():
48     print(f"{info['nama_lokasi']}: {info['hasil_panen']}")
49
50 # 2. Jumlah hasil panen jagung dari lokasi2
51 jagung_lokasi2 = data_panen['lokasi2']['hasil_panen']['jagung']
52 print(f"\nJumlah hasil panen jagung dari lokasi2 (Kebun B): {jagung_lokasi2}")
53
54 # 3. Nama lokasi dari lokasi3
55 nama_lokasi3 = data_panen['lokasi3']['nama_lokasi']
56 print(f"\nNama lokasi dari lokasi3: {nama_lokasi3}")
57
58 # 4 & 5. Jumlah hasil panen padi dan kedelai ke dalam variabel
59 hasil_padi = {lokasi: info['hasil_panen']['padi'] for lokasi, info in data_panen.items()}
60 hasil_kedelai = {lokasi: info['hasil_panen']['kedelai'] for lokasi, info in data_panen.items()}
61
62 print("\nJumlah hasil panen padi per lokasi:")
63 print(hasil_padi)
64 print("\nJumlah hasil panen kedelai per lokasi:")
65 print(hasil_kedelai)
66
67 # 6. Percabangan untuk kondisi kebun
68 print("\nStatus setiap lokasi:")
69 for lokasi, info in data_panen.items():
70     padi = info['hasil_panen']['padi']
71     jagung = info['hasil_panen']['jagung']
72     if padi > 1300 or jagung > 800:
73         print(f"{info['nama_lokasi']} memerlukan perhatian khusus.")
74     else:
75         print(f"{info['nama_lokasi']} dalam kondisi baik.")
76

```

```
Seluruh data panen:
Kebun A: {'padi': 1200, 'jagung': 800, 'kedelai': 500}
Kebun B: {'padi': 1500, 'jagung': 900, 'kedelai': 450}
Kebun C: {'padi': 1100, 'jagung': 750, 'kedelai': 600}
Kebun D: {'padi': 1300, 'jagung': 850, 'kedelai': 550}
Kebun E: {'padi': 1400, 'jagung': 950, 'kedelai': 480}

Jumlah hasil panen jagung dari lokasi2 (Kebun B): 900

Nama lokasi dari lokasi3: Kebun C

Jumlah hasil panen padi per lokasi:
{'lokasi1': 1200, 'lokasi2': 1500, 'lokasi3': 1100, 'lokasi4': 1300, 'lokasi5': 1400}

Jumlah hasil panen kedelai per lokasi:
{'lokasi1': 500, 'lokasi2': 450, 'lokasi3': 600, 'lokasi4': 550, 'lokasi5': 480}

Status setiap lokasi:
Kebun A dalam kondisi baik.
Kebun B memerlukan perhatian khusus.
Kebun C dalam kondisi baik.
Kebun D memerlukan perhatian khusus.
Kebun E memerlukan perhatian khusus.
```

1. Soal 1 Memeriksa Riwayat Commit

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git log
commit 2690b6444c1ddbc8cbfb7394dfbb9b3eb9be571 (HEAD -> master, origin/master)
Author: Faisal A <faisaljr606@gmail.com>
Date: Tue Dec 3 23:49:17 2024 +0700

    tugas git

commit edbb09a777c3dad7f8077c8bd7e84efbce513147
Author: Faisal A <faisaljr606@gmail.com>
Date: Tue Dec 3 23:48:31 2024 +0700

    tugas git
```

2. Soal 2 Kembali ke Versi Sebelumnya

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git checkout edbb09a777c3dad7f8077c8bd7e84efbce513147
Note: switching to 'edbb09a777c3dad7f8077c8bd7e84efbce513147'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at edbb09a tugas git
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git checkout master
Previous HEAD position was edbb09a tugas git
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT>
```

3. Soal 3 Menggunakan Branch

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git checkout edbb09a777c3dad7f8077c8bd7e84efbce513147
Note: switching to 'edbb09a777c3dad7f8077c8bd7e84efbce513147'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at edbb09a tugas git
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git checkout master
Previous HEAD position was edbb09a tugas git
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git branch baru
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git checkout baru
Switched to branch 'baru'
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git merge baru
Updating 2690b64..7a7aede
Fast-forward
 baru/baru.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 baru/baru.py
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> 
```

4. Soal 4 Menyelesaikan Konflik

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git commit -m haan
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> git merge baru
Already up to date.
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> 
```

5. Soal 5 Menggunakan git pull dan git clone

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> mkdir folder
```

```
Directory: C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT
```

Mode	LastWriteTime	Length	Name
d----	12/4/2024 1:06 PM		folder

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT> cd folder
```

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT\folder> git clone https://github.com/diashitenas/AES256_QueryParam
```

```
Cloning into 'AES256_QueryParam'...
```

```
remote: Enumerating objects: 15, done.
```

```
remote: Counting objects: 100% (15/15), done.
```

```
remote: Compressing objects: 100% (11/11), done.
```

```
remote: Total 15 (delta 2), reused 13 (delta 2), pack-reused 0 (from 0)
```

```
Receiving objects: 100% (15/15), 1.10 MiB | 380.00 KiB/s, done.
```

```
Resolving deltas: 100% (2/2), done.
```

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT\folder> git clone --single-branch --branch baru https://github.com/diashitenas/AES256_QueryParam
```

```
fatal: destination path 'AES256_QueryParam' already exists and is not an empty directory.
```

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT\folder> git clone --single-branch --branch master https://github.com/diashitenas/AES256_QueryParam
```

```
fatal: destination path 'AES256_QueryParam' already exists and is not an empty directory.
```

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT\folder> git clone --single-branch baru https://github.com/diashitenas/AES256_QueryParam
```

```
fatal: repository 'baru' does not exist
```

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT\folder> git clone --single-branch master https://github.com/diashitenas/AES256_QueryParam
```

```
fatal: repository 'master' does not exist
```

```
PS C:\Users\faisa\Documents\Tugas Kuliah\Semester 3\IFB-207 PEMROGRAMAN DASAR BB GANJIL 20242025\GIT\folder> git clone --single-branch --branch baru https://github.com/diashitenas/AES256_QueryParam
```