

Nama : FAJAR SETIA PRATAMA

NIM : 145410085

MATKUL : Workshop Python

GITHUB: https://github.com/SetiaP/workshop_python.git

RESPONSI

1. File response.py

```
responsi.py X
UAS > responsi.py delete_barang
1 import csv
2 import os
3
4 csv_filename = 'data_barang.csv'
5
6 def clear_screen():
7     os.system('cls' if os.name == 'nt' else 'clear')
8
9 def show_menu():
10     clear_screen()
11     print("=== APLIKASI DATA BARANG ===")
12     print("[1] Lihat Daftar Barang")
13     print("[2] Masukan Data Barang Baru")
14     print("[3] Perbaharui Data Barang ")
15     print("[4] Hapus Barang")
16     print("[5] Cari Barang")
17     print("[0] Selesai")
18     print("-----")
19     selected_menu = input("Pilih Menu> ")
20
21     if(selected_menu == "1"):
22         show_barang()
23     elif(selected_menu == "2"):
24         create_barang()
25     elif(selected_menu == "3"):
26         edit_barang()
27     elif(selected_menu == "4"):
28         delete_barang()
29     elif(selected_menu == "5"):
30         search_barang()
31     elif(selected_menu == "0"):
32         exit()
33     else:
34         print("Kamu memilih menu yang salah!")
35         back_to_menu()
36
37 def back_to_menu():
38     print("\n")
39     input("Tekan Enter untuk kembali...")
40     show_menu()
```

Nama : FAJAR SETIA PRATAMA

NIM : 145410085

MATKUL : Workshop Python

GITHUB: https://github.com/SetiaP/workshop_python.git

```
43 def show_barang():
44     clear_screen()
45     barangs = []
46     with open(csv_filename) as csv_file:
47         csv_reader = csv.reader(csv_file, delimiter=",")
48         for row in csv_reader:
49             barangs.append(row)
50
51     if (len(barangs) > 0):
52         labels = barangs.pop(0)
53         print(f"{labels[0]} \t {labels[1]} \t\t {labels[2]}")
54         print("-"*34)
55         for data in barangs:
56             print(f'{data[0]} \t {data[1]} \t {data[2]}')
57     else:
58         print("Tidak ada data!")
59     back_to_menu()
60
61
62 def create_barang():
63     clear_screen()
64     with open(csv_filename, mode='a') as csv_file:
65         fieldnames = ['NO', 'NAMA', 'FUNGSI']
66         writer = csv.DictWriter(csv_file, fieldnames=fieldnames)
67
68         no = input("No urut: ")
69         nama = input("Nama Barang: ")
70         fungsi = input("Fungsi Barang: ")
71
72         writer.writerow({'NO': no, 'NAMA': nama, 'FUNGSI': fungsi})
73         print("Berhasil disimpan!")
74
75     back_to_menu()
```

```
78 def search_barang():
79     clear_screen()
80     barangs = []
81
82     with open(csv_filename, mode="r") as csv_file:
83         csv_reader = csv.DictReader(csv_file)
84         for row in csv_reader:
85             barangs.append(row)
86
87     no = input("Cari berdasarkan nomer urut> ")
88
89     data_found = []
90
91     indeks = 0
92     for data in barangs:
93         if (data['NO'] == no):
94             data_found = barangs[indeks]
95
96             indeks = indeks + 1
97
98     if len(data_found) > 0:
99         print("DATA DITEMUKAN: ")
100         print(f>Nama: {data_found['NAMA']}")
101         print(f>Fungsi Barang: {data_found['FUNGSI']}")
102     else:
103         print("Tidak ada data ditemukan")
104     back_to_menu()
```

Nama : FAJAR SETIA PRATAMA

NIM : 145410085

MATKUL : Workshop Python

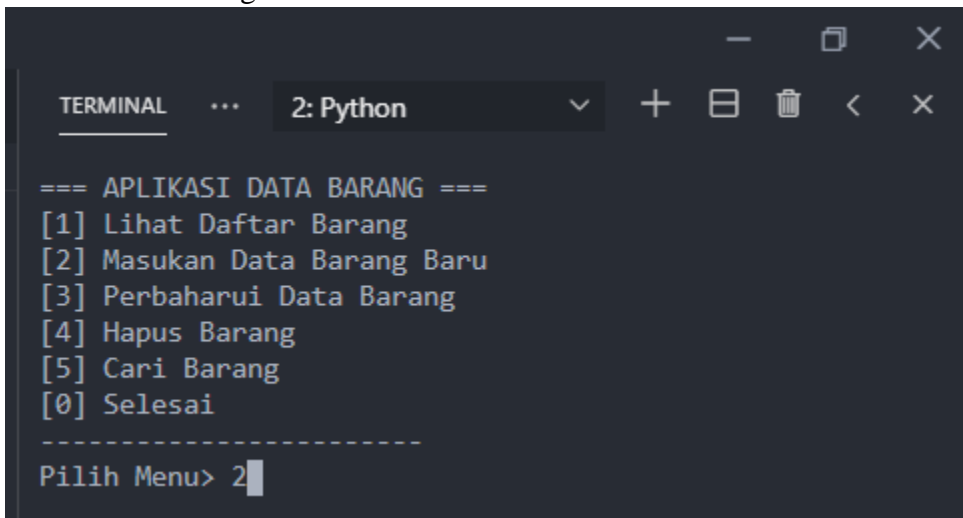
GITHUB: https://github.com/SetiaP/workshop_python.git

```
107 def edit_barang():
108     clear_screen()
109     barangs = []
110
111     with open(csv_filename, mode="r") as csv_file:
112         csv_reader = csv.DictReader(csv_file)
113         for row in csv_reader:
114             barangs.append(row)
115
116     print("NO \t NAMA \t\t FUNGSI")
117     print("-" * 32)
118
119     for data in barangs:
120         print(f"{data['NO']} \t {data['NAMA']} \t {data['FUNGSI']}")
121
122     print("-----")
123     no = input("Pilih nomer > ")
124     nama = input("nama barang baru: ")
125     fungsi = input("fungsi barang baru: ")
126
127
128     indeks = 0
129     for data in barangs:
130         if (data['NO'] == no):
131             contacts[indeks]['NAMA'] = nama
132             contacts[indeks]['FUNGSI'] = fungsi
133             indeks = indeks + 1
134
135     # Menulis data baru ke file CSV (tuliskan ulang)
136     with open(csv_filename, mode="w") as csv_file:
137         fieldnames = ['NO', 'NAMA', 'FUNGSI']
138         writer = csv.DictWriter(csv_file, fieldnames=fieldnames)
139         writer.writeheader()
140         for new_data in barangs:
141             writer.writerow({'NO': new_data['NO'], 'NAMA': new_data['NAMA'], 'FUNGSI': new_data['FUNGSI']})
142
143     back_to_menu()
144
145
146 def delete_barang():
147     clear_screen()
148     barangs = []
149
150     with open(csv_filename, mode="r") as csv_file:
151         csv_reader = csv.DictReader(csv_file)
152         for row in csv_reader:
153             barangs.append(row)
154
155     print("NO \t NAMA \t\t FUNGSI")
156     print("-" * 32)
157
158     for data in barangs:
159         print(f"{data['NO']} \t {data['NAMA']} \t {data['FUNGSI']}")
160
161     print("-----")
162     no = input("Hapus nomer> ")
163
164
165     indeks = 0
166     for data in barangs:
167         if (data['NO'] == no):
168             barangs.remove(barangs[indeks])
169             indeks = indeks + 1
170
171     with open(csv_filename, mode="w") as csv_file:
172         fieldnames = ['NO', 'NAMA', 'FUNGSI']
173         writer = csv.DictWriter(csv_file, fieldnames=fieldnames)
174         writer.writeheader()
175         for new_data in barangs:
176             writer.writerow({'NO': new_data['NO'], 'NAMA': new_data['NAMA'], 'FUNGSI': new_data['FUNGSI']})
177
178     print("Data sudah terhapus")
179     back_to_menu()
180
181
182 if __name__ == "__main__":
183     while True:
184         show_menu()
```

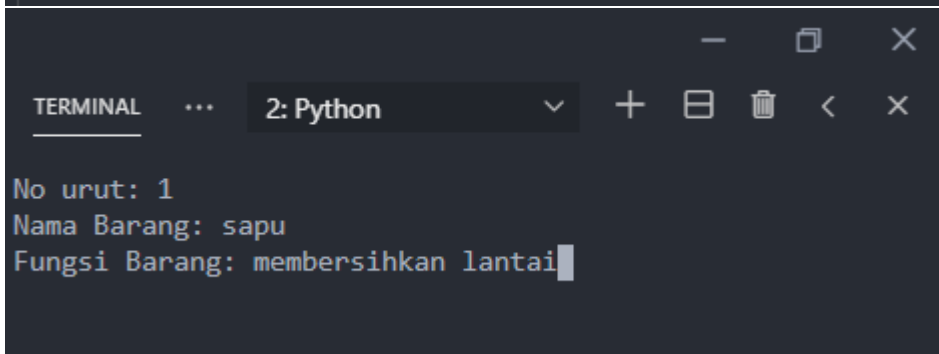
Nama : FAJAR SETIA PRATAMA
NIM : 145410085
MATKUL : Workshop Python
GITHUB: https://github.com/SetiaP/workshop_python.git

Screenshot

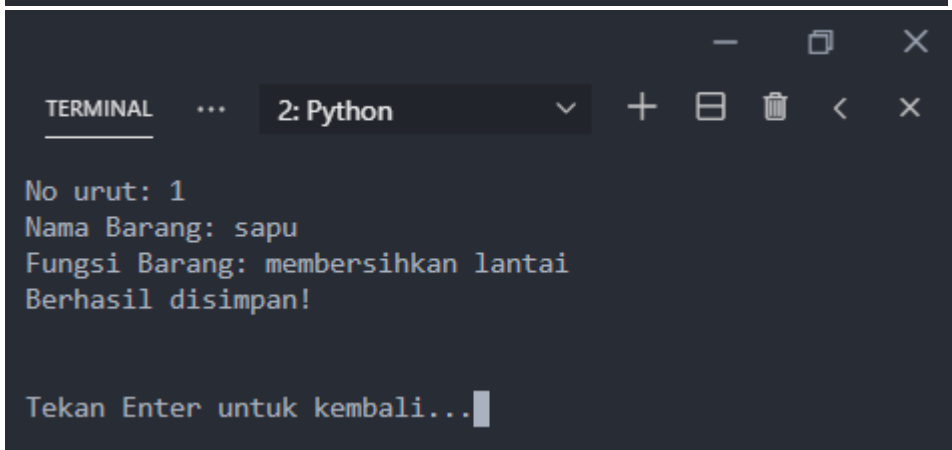
1. Memasukan barang



```
=== APLIKASI DATA BARANG ===
[1] Lihat Daftar Barang
[2] Masukan Data Barang Baru
[3] Perbaharui Data Barang
[4] Hapus Barang
[5] Cari Barang
[0] Selesai
-----
Pilih Menu> 2
```



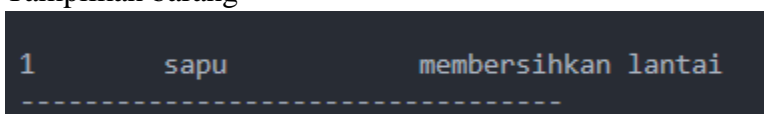
```
No urut: 1
Nama Barang: sapu
Fungsi Barang: membersihkan lantai
```



```
No urut: 1
Nama Barang: sapu
Fungsi Barang: membersihkan lantai
Berhasil disimpan!

Tekan Enter untuk kembali...
```

2. Tampilkan barang



```
1      sapu      membersihkan lantai
-----
```

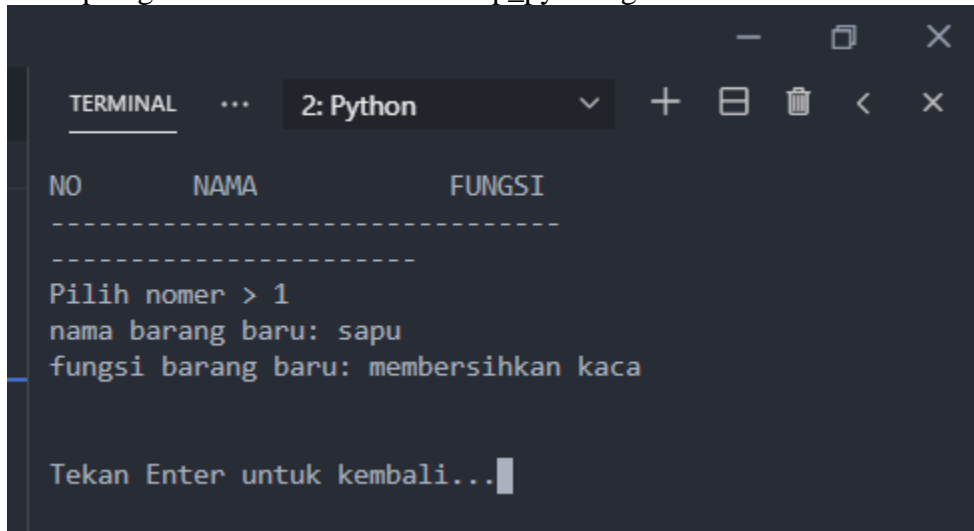
3. Perbaharui barang

Nama : FAJAR SETIA PRATAMA

NIM : 145410085

MATKUL : Workshop Python

GITHUB: https://github.com/SetiaP/workshop_python.git

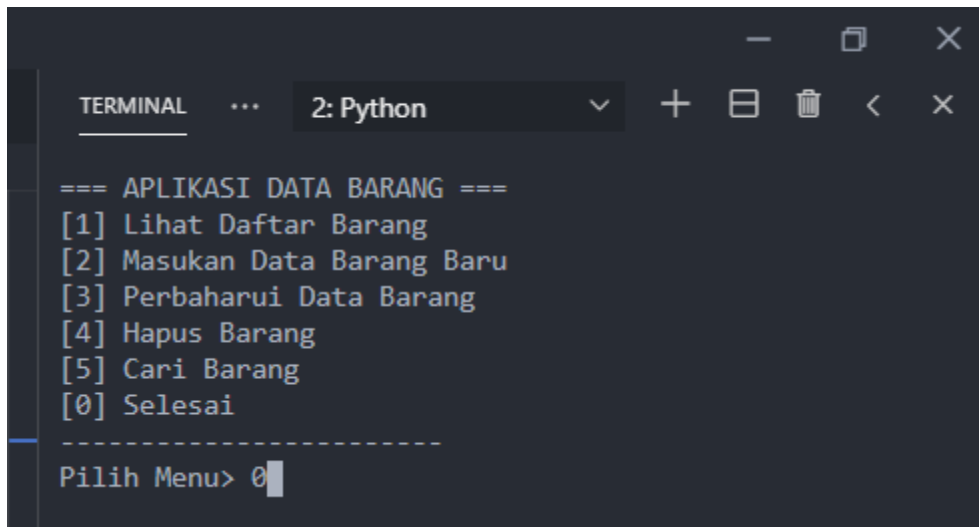


```
TERMINAL  ...  2: Python  +  [icon]  [icon]  <  x

NO      NAMA      FUNGSI
-----
-----
Pilih nomer > 1
nama barang baru: sapu
fungsi barang baru: membersihkan kaca

Tekan Enter untuk kembali...
```

4. Perintah selesai



```
TERMINAL  ...  2: Python  +  [icon]  [icon]  <  x

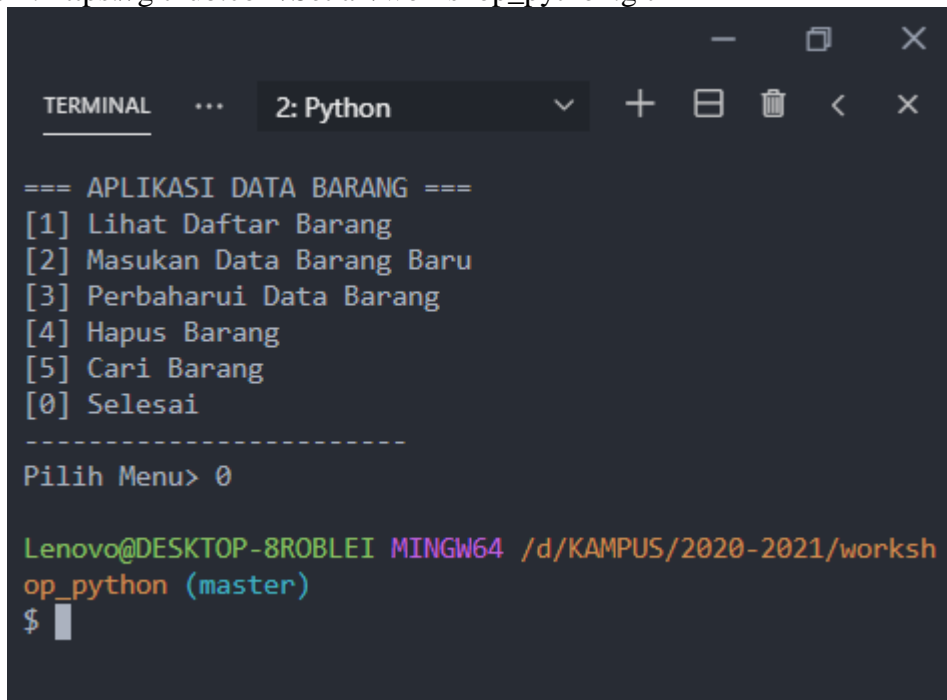
=== APLIKASI DATA BARANG ===
[1] Lihat Daftar Barang
[2] Masukan Data Barang Baru
[3] Perbaharui Data Barang
[4] Hapus Barang
[5] Cari Barang
[0] Selesai
-----
Pilih Menu> 0
```

Nama : FAJAR SETIA PRATAMA

NIM : 145410085

MATKUL : Workshop Python

GITHUB: https://github.com/SetiaP/workshop_python.git



```

    -  [icon]  X
  _____ 2: Python  v  +  [icon]  [icon]  <  X
  _____
  === APLIKASI DATA BARANG ===
  [1] Lihat Daftar Barang
  [2] Masukkan Data Barang Baru
  [3] Perbaharui Data Barang
  [4] Hapus Barang
  [5] Cari Barang
  [0] Selesai
  -----
  Pilih Menu> 0

  Lenovo@DESKTOP-8ROBLEI MINGW64 /d/KAMPUS/2020-2021/worksh
  op_python (master)
  $
```