

File Program Jasa Titip Luar Negeri (format .py)

```
from os import system

from MenuPesanan import MenuPesanan
from MenuNegara import MenuNegara

class MainMenu:
    def switch(self, kode):
        return getattr(self, "_menu_" + str(kode), lambda: self._default)()

    def _default(self):
        print("invalid code, pick the correct code")

    def _menu_1(self):
        print("\n\n")
        _iterasi = True
        menuNegara = MenuNegara()
        while _iterasi:
            system("cls")
            print("\tNegara JasTip")
            if len(menuNegara.listNegara()) != 0:
                print(menuNegara.listNegara())
            else:
                print("--Masih Kosong--")

            print("Pilih Menu:")
            print("\t1. Tambah Negara\n"
                  "\t2. Edit Barang Negara\n"
                  "\t3. Hapus Negara")
            menu_code = int(input("PILIHAN : "))
            menuNegara.switch(menu_code)
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        _iterasi = True if (input("do you want to quit?(y/n) ") == "n") else
False
    def _menu_2(self):
        print("\n\n")
        menuNegara = MenuNegara()
        if len(menuNegara.listNegara()) == 0:
            print("Belum ada negara yg terdaftar, silahkan menambahkan negara
terlebih dahulu")
        else:
            iterasi = True
            while iterasi:
                system("cls")
                print("\tJasa Titip Antar Negara")
                for index, country in enumerate(menuNegara.listNegara()):
                    print(str(index + 1) + ". " + country)
                index_country = int(input("Pilih negara tujuan : ")) - 1
                print("\n")
                print("\t JasTip Negara " + menuNegara.listNegara()[index_country] +
"\n")
                menu_code = 1
                menu_pesanan = MenuPesanan(menuNegara.listNegara()[index_country])
                menu_pesanan.switch(menu_code)
                iterasi = True if (input("do you want to quit?(y/n) ") == "n") else
False

if __name__ == "__main__":
    menu = MainMenu()
    iterasi = True
    print("-----")
    print("-----SELAMAT DATANG DI PENDATAAN JASA TITIP BARANG LUAR NEGERI-----")
    print("-----")

```

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print("-----")
----")

while iterasi :

    print("\tPilih menu")

    print("\t 1. List Negara\n"
          "\t 2. Mulai Pendataan Pesanan")

    menu_kode = int(input("pilihan menu :"))

    menu.switch(menu_kode)

    iterasi = True if (input("start again?(y/n) ") == "y") else False

```

File Program Barang (format .py)

```

import os
import shutil

class BarangJual:

    _name_kategori_file = ""
    _country_name = ""

    def __init__(self, country):

        # create folder if not exist

        if not os.path.exists(country):

            os.makedirs(country)

        self._country_name = country

        self._name_kategori_file = os.path.join(country, "barang.txt")

        # create file first if not exist

        __file = open(self._name_kategori_file, "a")

        __file.close()

    def switch(self, kode):

        return getattr(self, "_menu_" + str(kode), lambda: self._default)()

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def listBarang(self):
    print("Daftar kategori : ")
    kategori = self.get_kategori()
    if len(kategori) != 0:
        for index, text in enumerate(self.get_kategori()):
            print("\t" + str(index + 1) + ". " + text)
    else:
        print("Kategori kosong")

def _menu_1(self):
    name = input("Masukkan nama kategori : ")
    harga = input("Masukkan harga(" + self._country_name + ") : ")
    if self._add_kategori(name, harga):
        print("Kategori telah di tambahkan :")
        for index, text in enumerate(self.get_kategori()):
            print("\t" + str(index + 1) + ". " + text)
        print("\n")
    else:
        print("Kategori sudah ada")

def _menu_2(self):
    if len(self.get_kategori()) != 0:
        index_barang = int(input("Pilih barang yang ingin di hapus: ")) - 1
        list_raw = self.get_raw_kategori()
        list_person = open(os.path.join(self._country_name, "person.txt"),
"r").readlines()
        for person in list_person:

person(self._country_name,person.replace("\n","")).delete_product(self.get_kategori()
[index_barang])

        del list_raw[index_barang]

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        self._update_barang(list_raw)
        self.listBarang()
    else:
        print("Belum ada barang yg terdaftar")

def _default(self):
    print("invalid code, pick again")

def _update_barang(self, list_barang):
    __file = open(self._name_kategori_file, "w")
    __file.writelines(list_barang)
    __file.close()

def get_raw_kategori(self):
    __file = open(self._name_kategori_file, "r")
    return __file.readlines()

def get_kategori(self):
    __file = open(self._name_kategori_file, "r")
    list_barang = __file.readlines()
    for index, barang in enumerate(list_barang):
        list_barang[index] = barang.split(",")[0]
    return list_barang

def delete_country(self):
    shutil.rmtree(self._country_name)

def _add_kategori(self, kategori, harga):
    if len(self.get_kategori()) == 0 or kategori not in self.get_kategori():
        __file = open(self._name_kategori_file, "a")
        __file.write(kategori + "," + harga + "\n")

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```
        __file.close()
    return True
else:
    return False
```

File Program MenuNegara (format .py)

```
from os import system
```

```
from Barang import BarangJual
```

```
class MenuNegara:
```

```
    def __init__(self):
        __file = open("country_list.txt", "a")
        __file.close()

    def switch(self, kode):
        return getattr(self, "_menu_" + str(kode), lambda: self._default)()

    def _default(self):
        print("invalid code, pick again")

    def _menu_1(self):
        system("cls")
        country_name = input("Masukkan nama negara : ")
        country_kurs = input("Masukkan nilai kurs ke INA : ")
        if country_name not in self.listNegara():
            __file = open("country_list.txt", "a")
            __file.write(country_name + "," + country_kurs + "\n")
            __file.close()
            print("Berhasil menambahkan negara")
```

```

else:
    print("Negara sudah ada")

def _menu_2(self):
    system("cls")
    if len(self.listNegara())!=0:
        print("Pilih Negara yang ingin di edit barangnya: ")
        for index, country in enumerate(self.listNegara()):
            print("\t" + str(index + 1) + ". " + country)
        index_country = int(input("Pilihan : ")) - 1

        iterasi = True
        while iterasi:
            self._menuEditBarangNegara(index_country)
            iterasi = True if input("do you want to quit? (y/n) ") == "n" else
False
        else:
            print("Negara belum ada, silahkan menambahkan negara terlebih dahulu")

def _menu_3(self):
    system("cls")
    if len(self.listNegara()) != 0:
        print("Pilih Negara yang ingin di hapus: ")
        for index, country in enumerate(self.listNegara()):
            print("\t" + str(index + 1) + ". " + country)
        index_country = int(input("Pilihan : ")) - 1
        list_raw = self.get_raw_country()
        barang_country = BarangJual(self.listNegara()[index_country])
        barang_country.delete_country()
        del list_raw[index_country]
        self._update_country(list_raw)
        print("Berhasil menghapus negara beserta semua datanya")

```

```

else:
    print("Negara belum ada, silahkan menambahkan negara terlebih dahulu")

def _update_country(self, list):
    __file = open("country_list.txt", "w")
    __file.writelines(list)
    __file.close()

def get_raw_country(self):
    __file = open("country_list.txt", "r")
    return __file.readlines()

def listNegara(self):
    __file = open("country_list.txt", "r")
    country_list = __file.readlines()
    __file.close()
    for index, country in enumerate(country_list):
        country_list[index] = country.split(",")[0]
    return country_list

def _menuEditBarangNegara(self, index_country):
    print("\n")
    menu_barang = BarangJual(self.listNegara()[index_country])
    menu_barang.listBarang()
    print("1. Tambah Barang")
    print("2. Hapus Barang")
    code_menu = input("Pilihan : ")

    menu_barang.switch(code_menu)

```


File Program MenuPesanan (format .py)

```
import csv
import os
from os import system

from Barang import BarangJual
from MenuNegara import MenuNegara
from Person import Person

class MenuPesanan:
    _country_name = ""
    _file_person_name = ""
    _file_pesanan_csv = ""

    def __init__(self, country):
        self._file_person_name = os.path.join(country, "person.txt")
        self._file_pesanan_csv = os.path.join(country, "pesanan.csv")
        _file = open(self._file_person_name, "a")
        _file.close()

        self._country_name = country

    def switch(self, kode):
        return getattr(self, "_menu_" + str(kode), lambda: self._default)()

    def _default(self):
        print("invalid code, pick again")

    def _menu_1(self):
        name_person = input("Masukkan nama pemesan : ")
```

```

if (name_person+"\n") not in self._get_list_person():
    _file = open(self._file_person_name, "a")
    _file.write(name_person + "\n")
    _file.close()

produk_iterasi = True
while produk_iterasi:
    system("cls")
    print("\tPesanan untuk " + name_person)
    menuBarang = BarangJual(self._country_name)
    menuPerson = Person(self._country_name, name_person)
    print("Pilih Produk :")
    for index, product in enumerate(menuBarang.get_kategori()):
        print(str(index + 1) + ". " + product)
    index_product = int(input("Pilihan : ")) - 1
    jumlah_barang = int(input("Jumlah barang : "))
    menuPerson.add_product(menuBarang.get_kategori()[index_product],
jumlah_barang)
    print("Berhasil menambahkan data!")

    with open(self._file_pesanan_csv, mode="w", newline="") as _file_open:
        _header = ["No", "Nama", "Barang", "Harga Barang", "Jumlah", "Total
Harga(" + self._country_name + ")",
                    "Total Harga(INA)"]
        _writer = csv.DictWriter(_file_open, _header)
        _writer.writeheader()

        _count = 1

        for index, name in enumerate(self._get_list_person()):
            _name = name.replace("\n", "")
            menuPerson = Person(self._country_name, _name)

```

```

        for index, product in enumerate(menuPerson.get_raw_product()):
            _item = product.split(",")[0]
            _amount = product.split(",")[1].replace("\n", "")

            menuBarang = BarangJual(self._country_name)
            _index_barang = menuBarang.get_kategori().index(_item)
            _price =
menuBarang.get_raw_kategori()[_index_barang].split(",")[1].replace("\n", "")

            menuNegara = MenuNegara()
            index_negara =
menuNegara.listNegara().index(self._country_name)

            _kurs =
menuNegara.get_raw_country()[index_negara].split(",")[1].replace("\n", "")

            _input = {
                "No": _count,
                "Nama": _name,
                "Barang": _item,
                "Harga Barang": _price,
                "Jumlah": _amount,
                "Total Harga(" + self._country_name + ")": int(_price) *
int(_amount),
                "Total Harga(INA)": int(_price) * int(_amount) *
int(_kurs)
            }

            _writer.writerow(_input)
            _count += 1

        print("\tCetak list pesanan berdasarkan")
        print("\tSilahkan cek file pesanan.csv di folder [" +
self._country_name + "]")

```

```
        produk_iterasi = True if input("ingin menambah barang lagi?(y,n)") == "y"
    else False
```

```
def _get_list_person(self):
    _file = open(self._file_person_name, "r")
    return _file.readlines()
```

File Program Person (format .py)

```
import os
```

```
class Person:
```

```
    _person_name = ""
```

```
    _name_kategori_file = ""
```

```
def __init__(self, country, person_name):
```

```
    # create folder if not exist
```

```
    if not os.path.exists(country):
```

```
        os.makedirs(country)
```

```
    self._person_name = country
```

```
    self._name_kategori_file = os.path.join(country, person_name + ".txt")
```

```
    # create file first if not exist
```

```
    __file = open(self._name_kategori_file, "a")
```

```
    __file.close()
```

```
def add_product(self, product, amount):
```

```
    if product not in self._get_list_product():
```

```
        __file = open(self._name_kategori_file, "a")
```

```
        __file.write(product + "," + str(amount) + "\n")
```

```
        __file.close()
```

```
    else:
```

```
print("Produk sudah ditambahkan")
```

```
def get_raw_product(self):  
    __file = open(self._name_kategori_file, "r")  
    return __file.readlines()
```

```
def _get_list_product(self):  
    __file = open(self._name_kategori_file, "r")  
    list_beli = __file.readlines()  
    for index, item in enumerate(list_beli):  
        list_beli[index] = item.split(",")[0]  
    return list_beli
```