

File Edit Format Run Options Window Help

```
from abc import ABC, abstractmethod
```

```
# Abstract class
```

```
class Patient(ABC):
```

```
    @abstractmethod
```

```
    def calculate_bill(self):
```

```
        pass
```

```
# Derived class
```

```
class InPatient(Patient):
```

```
    def calculate_bill(self):
```

```
        bill = 20000
```

```
        return bill
```

```
# Input
```

```
patient_type = input("Patient Type: ")
```

```
# Object creation
```

```
if patient_type.lower() == "inpatient":
```

```
    patient = InPatient()
```

```
else:
```

```
    print("Invalid Patient Type")
```

```
    exit()
```

```
# Output
```

```
total = patient.calculate_bill()
```

```
print("Total Bill:", total)
```

```
|
```

= RESTART: C:/Users/welcome/AppData/Local/Programs/Python/Python313/mon15.py =

Patient Type: inPatient

Total Bill: 20000

|