```python
import pandas as pd
df= pd.read_excel("FEV-data-Excel.xlsx", sheet_name="Auta
elektryczne")


class EVRecommender:
    def __init__(self,data):
        self.df = pd.read_excel("FEV-data-Excel.xlsx",
sheet_name="Auta elektryczne")
        self.data =  data

    def recommend_evs(self,budget,desired_range,battery_capacity):
        filtered_evs = self.data[(self.data["Minimal price (gross)
[PLN]"]<=budget)&
            (self.data['Range (WLTP) [km]'] >= desired_range) &
            (self.data['Battery capacity [kWh]'] >= battery_capacity)
        ].copy()


        filtered_evs = filtered_evs.sort_values(
            by=['Minimal price (gross) [PLN]', 'Range (WLTP) [km]',
'Battery capacity [kWh]'],
            ascending=[True, False, False]
        )
        return filtered_evs.head(3)

ev_recommender = EVRecommender(df)

budget = 200000
desired_range = 400
battery_capacity = 60
top_evs = ev_recommender.recommend_evs(budget, desired_range,
battery_capacity)

print(f"\nTop 3 EVs for Budget: {budget} PLN, Desired Range:
{desired_range} km, Battery Capacity: {battery_capacity} kWh:")
print(top_evs.to_markdown(index=False, numalign="left",
stralign="left"))
```

```
Top 3 EVs for Budget: 200000 PLN, Desired Range: 400 km, Battery
Capacity: 60 kWh:
| Car full name                    | Make     | Model             |
Minimal price (gross) [PLN]    | Engine power [KM]    | Maximum torque
[Nm]    | Type of brakes       | Drive type    | Battery capacity [kWh]
| Range (WLTP) [km]    | Wheelbase [cm]    | Length [cm]    | Width [cm]
| Height [cm]    | Minimal empty weight [kg]    | Permissable gross
weight [kg]    | Maximum load capacity [kg]    | Number of seats    |
Number of doors    | Tire size [in]    | Maximum speed [kph]    | Boot
capacity (VDA) [l]    | Acceleration 0-100 kph [s]    | Maximum DC
```

charging power [kW]	mean - Energy consumption [kWh/100 km]																						
Kia e-Soul 64kWh	204	395	Kia	e-Soul 64kWh	160990	disc (front + rear)	2WD (front)	64	452	260	419.5	180	160.5	1535	1682	498	5	5	17	167	315	7.9	100	15.7
Kia e-Niro 64kWh	204	395	Kia	e-Niro 64kWh	167990	disc (front + rear)	2WD (front)	64	455	270	437.5	180.5	156	1737	2230	493	5	5	17	167	451	7.8	100	15.9
Hyundai Kona electric 64kWh	204	395	Hyundai	Kona electric 64kWh	178400	disc (front + rear)	2WD (front)	64	449	260	418	180	157	1685	2170	485	5	5	17	167	332	7.6	100	15.4