

Untitled16

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[1]: import pandas as p

data = p.read_excel(r"C:\Users\91939\Downloads\FEV-data-Excel.xlsx")
class EVrecommendation:
    def __init__(self,d):
        self.d=d
    def recommendation(self,budget,range,capacity):
        recom_data = self.d[(self.d["Minimal price (gross) [PLN]"<=budget)
                               & (self.d["Range (WLTP) [km]">=range)
                               & (self.d["Battery capacity [kWh]">=capacity)
                               ]
        top_EV = recom_data.sort_values(by=["Range (WLTP) [km]","Battery_
↳capacity [kWh]"],ascending=False).head(3)
        return top_EV[['Car full name','Make','Model','Minimal price (gross)_
↳[PLN]','Range (WLTP) [km]','Battery capacity [kWh]']]

try:
    a = int(input("Enter your budget: "))
    b = float(input("Enter your minimum desired range (km): "))
    c = float(input("Enter your minimum desired battery capacity (kWh): "))

    recommender = EVrecommendation(data)
    results = recommender.recommendation(a, b , c)

    if not results.empty:
        print("\nTop 3 Recommended EVs for You:\n")
        print(results.to_string(index=False))
    else:
        print("\nNo EVs match your criteria.")
except ValueError:
    print("Please enter valid numeric inputs.")
```

Enter your budget: 300000

Enter your minimum desired range (km): 400

Enter your minimum desired battery capacity (kWh): 50

Top 3 Recommended EVs for You:

	Car full name	Make	Model	Minimal price (gross)
[PLN]	Range (WLTP) [km]	Battery capacity [kWh]		
	Tesla Model 3 Long Range	Tesla	Model 3 Long Range	
235490	580		75.0	
	Tesla Model 3 Performance	Tesla	Model 3 Performance	
260490	567		75.0	
	Volkswagen ID.3 Pro S	Volkswagen	ID.3 Pro S	
179990	549		77.0	

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