```
import pandas as pd

hospital_df = pd.read_csv("/content/hospital_dataset.csv")

print("Original Hospital Dataset:")
print(hospital_df)

outliers = hospital_df[(hospital_df["Age"] < 0) | (hospital_df["Age"] > 120)]
print("\nDetected Outliers:")
print(outliers)

cleaned_hospital_df = hospital_df[(hospital_df["Age"] >= 0) & (hospital_df["Age

print("\nCleaned Hospital Dataset (Outliers Removed):")
print(cleaned_hospital_df)

cleaned_hospital_df.to_csv("hospital_dataset_cleaned.csv", index=False)
```

```
Original Hospital Dataset:
    Patient_ID  Age
0            1   25
1            2   34
2            3   67
3            4   89
4            5  102
5            6   -5
6            7   45
7            8   56
8            9  130
9           10   40
10          11   29
11          12   75
12          13  121
13          14   60
14          15   15

Detected Outliers:
    Patient_ID  Age
5            6   -5
8            9  130
12          13  121

Cleaned Hospital Dataset (Outliers Removed):
    Patient_ID  Age
0            1   25
1            2   34
2            3   67
3            4   89
4            5  102
6            7   45
7            8   56
9           10   40
```

```
10          11   29
11          12   75
13          14   60
14          15   15
```

```
import pandas as pd
from sklearn.preprocessing import MinMaxScaler, StandardScaler

bank_df = pd.read_csv("/content/banking_dataset.csv")

print("\nOriginal Banking Dataset:")
print(bank_df)

scaler_minmax = MinMaxScaler()
bank_df["Income_MinMax"] = scaler_minmax.fit_transform(bank_df[["Income"]])

scaler_standard = StandardScaler()
bank_df["Income_Standardized"] = scaler_standard.fit_transform(bank_df[["Income

print("\nBanking Dataset After Scaling:")
print(bank_df)

bank_df.to_csv("banking_dataset_scaled.csv", index=False)
```

```
Original Banking Dataset:
   Customer_ID  Income
0            1   25000
1            2   30000
2            3   45000
3            4   60000
4            5   80000
5            6  120000
6            7  150000
7            8  200000
8            9  220000
9           10  300000

Banking Dataset After Scaling:
   Customer_ID  Income  Income_MinMax  Income_Standardized
0            1   25000       0.000000            -1.112775
1            2   30000       0.018182            -1.056000
2            3   45000       0.072727            -0.885678
3            4   60000       0.127273            -0.715355
4            5   80000       0.200000            -0.488258
5            6  120000       0.345455            -0.034065
6            7  150000       0.454545             0.306581
7            8  200000       0.636364             0.874323
8            9  220000       0.709091             1.101420
9           10  300000       1.000000             2.009807
```