Experiment 3 &4

1)

```python
import pandas as pd
import numpy as np

# Load the data
df1 = pd.read_csv("/Dia-ECG.csv")
df2 = pd.read_csv("/Normal-ECG.csv")

# Select only numeric columns
df1 = df1.select_dtypes(include=[np.number])
df2 = df2.select_dtypes(include=[np.number])

def statistics(df, file_name):
    print(f"Statistics for {file_name}:")
    print("Mean:")
    print(df.mean().values)
    print("\nMedian:")
    print(df.median().values)
    print("\nStandard Deviation:")
    print(df.std().values)
    print("\nMaximum:")
    print(df.max().values)
    print("\nMinimum:")
    print(df.min().values)

# Calculate statistics

statistics(df2, "/content/drive/MyDrive/Colab Notebooks/Normal-ECG.csv")
```

```
Statistics for /content/drive/MyDrive/Colab Notebooks/Normal-ECG.csv:
Mean:
[-0.12933901]

Median:
[-2.]

Standard Deviation:
[89.98621498]

Maximum:
[735]

Minimum:
[-961]
```

2)

```python
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import numpy as np

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# Calculate statistics

statistics(df2, "/content/drive/MyDrive/Colab Notebooks/Normal-ECG.csv")
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