**Attributes Details**

1. age – Age of the patient
2. sex – Gender (Male/Female)
3. chest\_pain\_type – (Typical Angina, Atypical Angina, Non-anginal Pain, Asymptomatic)
4. resting\_bp – Resting blood pressure
5. cholesterol – Serum cholesterol in mg/dl
6. fasting\_blood\_sugar – Fasting blood sugar > 120 mg/dl
7. restecg – Resting electrocardiographic results
8. max\_heart\_rate – Maximum heart rate achieved
9. exang – Exercise-induced angina
10. oldpeak – ST depression
11. heart\_disease – (Yes/No)

**Objectives**

1. List all patients who are older than the average age and have heart disease.
2. Find the most common chest pain type among patients with heart disease.
3. Retrieve all female patients with cholesterol above 200 and maximum heart rate below 120.
4. Show average cholesterol grouped by heart disease status.
5. Use a window function to rank patients by cholesterol within each sex.
6. Create a view of patients who have both high blood pressure and high cholesterol.
7. Display patients whose fasting blood sugar is above average, along with their heart disease status.
8. Find the age group (30–40, 40–50) with the highest prevalence of heart disease.
9. Compare average maximum heart rate for patients with and without disease.
10. List top 10 patients with the highest values oldpeak values induced by exercise (exang).