**Project Title:**

**Heart Disease Risk Prediction and Analysis** *(can be finalized later)*

**Objective:**

The objective of this project is to **analyze and predict heart-related health issues** by identifying potential risk factors and forecasting the likelihood of heart attacks or related fatalities in the future. This project aims to assist in **early detection, prevention, and better decision-making in healthcare** through data-driven insights.

**Description:**

This project focuses on understanding patterns and correlations among various health indicators such as age, blood pressure, cholesterol, glucose levels, BMI, and lifestyle habits. Using statistical and machine learning techniques, the project will:

* Identify **key factors influencing heart disease risks**
* **Predict the probability** of heart attacks or cardiac events
* **Visualize mortality trends and risk distributions**
* Provide actionable insights to support **preventive healthcare strategies**

**Tools & Technologies:**

* **Python** (for data preprocessing, analysis, and modeling)
* **SQL** (for data storage and querying)
* **Power BI / Tableau** (for interactive visualization and dashboards)
* **Machine Learning Algorithms** (Logistic Regression, Random Forest, etc for prediction)

**Expected Outcome:**

A comprehensive analytical dashboard and predictive model capable of highlighting risk levels, key contributing factors, and future trends in heart-related health issues.