**Problem Statement: Predicting Diabetes in Pima Indian Women**

**Description:**

The Pima Indians Diabetes dataset is a collection of medical data from Pima Indian women in Arizona, USA. This dataset is widely used for the development and evaluation of predictive models to identify individuals at high risk of developing diabetes. The goal of this project is to build a predictive model that can accurately classify individuals as either diabetic or non-diabetic based on a set of medical and demographic features.

**Dataset Details:**

The dataset contains the following features:

1.Pregnancies: Number of times pregnant.

2. Glucose: Plasma glucose concentration a 2 hours in an oral glucose tolerance test.

3. BloodPressure: Diastolic blood pressure (mm Hg).

4. SkinThickness: Triceps skin fold thickness (mm).

5. Insulin: 2-Hour serum insulin (mu U/ml).

6. BMI: Body mass index (weight in kg / (height in m)^2).

7. DiabetesPedigreeFunction: A function that scores the likelihood of diabetes based on family history.

8. Age: Age in years.

9. Class The binary target variable indicating the presence (1) or absence (0) of diabetes.

Apply Logistic Regression Model.