PROBLEM STATEMENT

Chronic Kidney Disease (CKD) is a serious medical condition that, if caught early enough, is curable. Most individuals are unaware that the various medical tests we undergo for various reasons may provide important information about kidney disorders. As a result, characteristics of numerous medical tests are examined to see which characteristics might contain useful information about the disease. According to the information, doing so enables us to assess the problem's severity, and we utilize this data to create a machine learning model that forecasts chronic kidney disease.

If chronic kidney disease is addressed early on, it may be cured. This project's primary goal is to more accurately and quickly identify whether a patient has chronic kidney disease using diagnostic data including Blood Pressure (Bp), Albumin, and other parameters (Al).

Who does the problem affect?	Those who have a history of kidney failure in their families, diabetes, high blood pressure, or heart disease
What are the boundaries of the problem?	Diagnosing kidney diseases using parameters like blood pressure and albumin
What is the issue?	Kidney function is compromised by a disease or condition, leading to its damage over time
When does the issue occur?	When a sickness or illness compromises kidney function, causing kidney damage to worsen over several months or years
Where is the issue occurring?	The small blood veins in the kidneys might become strained by high blood pressure, thereby preventing normal functioning of the kidney. Blood glucose levels that are too high can harm the kidneys' small filters.
Why is it important that we fix the problem?	The progression of chronic kidney disease to an advanced state may be slowed or stopped with early detection and appropriate treatment.