**Problem Statement**

Consider an organization which executes website development projects for their clients.

Employees are employed on these projects.

The data about Project titles, Project IDs, Employees and Employees working on

Projects are provided in a text file.

The first 10 entries in the given text file are Project Titles.

Next 6 entries are the name of the employees.

Project IDs are given in next 10 records and last 6 entries are strings

of 10 characters with 0s and 1s.

One such string defines the assignment of the project by setting 1

at the positional index representing a project.

For example 0010010101- defines that Rita Hoggins works on

projects :–

Neil Boutique(Project ID 1003),

Creative Fingers Eating House(Project ID 3001),

Helping Hands Grocery(Project ID 3003),

Smirk Smile Corrector(Project ID 4002).

The program is created by reading the text file “projects.txt”

and creating arrays for Project Titles, Project IDs, Employee Names

and Project and Employees mapping.

File Handling Python code Features

The program is a menu-driven application that displays the activities

that can be performed by a user.

A user chooses an option by entering the choice as a number.

**This file handling project covers the following queries:**

Display title of a Project Title when user enters the Project ID

Display Project ID of a project when user enters the Project Title

Display Employees working on a project with given Project ID

Display the list of all Projects on which an employee is working

Display Employees who are working on a given number of projects

Display All Projects and their IDs

Display all Details stored in the text file in a tabular format.

If a user enters a wrong Project ID or Employee Name or project Name,

the message is displayed about the wrong entry.

The exceptions are handled using try, except statement of Python.