# **Student Score Program**

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## **Context**

This project is an implementation of a University program to manipulate student score using Python. This program allows users to display and manipulate student data, lecture data, and courses data. The purpose of this program is to provide user experience on managing data in university environment.

## **Business Task**

### **Key Feature**

* Add Data (Students, Lectures, and Courses)
* Manipulate Student Data (Name, Code, Scores, and Rank)
* Manipulate Lecture Data (Name, Code)
* Manipulate Courses Name
* Display Student Data (Name, Code, Scores, Courses, and Rank)
* Display Lecture Data (Name, Code)
* Display Courses List
* Display Ranking
* Provide shorting system based on student rank

### **Objectives**

* Provide solution to manage student/lecture/course data
* Assist users to review their academic achievement
* As one of the bootcamp assignment project

## **Stakeholder**

* End Users : Students and lectures for managing their academic data
* Developers : Development team for developing and researching the program
* Academic : Academic institute for researching and utilizing program for managing the academic data

## **Limitations**

This projects has several limitations to consider :

* Dummy Data : The program only use small dummy data for study purposes
* No Automatic Score Update : Score for new course need to be manually input by user
* No Automatic Lecture Code Update : User need to assign manually, data student to their lecture code
* Ranking Limitation : Ranking only be done based on the same lecture code not overall student data

This data will be used to create a small university database that users can search. Ensure this data is prepared before running the program.

## **User Instructions**

Running Program

1. Have python installed
2. (for Windows / Mac) Have python interface installed (Anaconda, Visual Studio Code, Spyder, etc)
3. Open Capston 1 Data Nilai Fikri Data Science.py or run code below

python Capston 1 Data Nilai Fikri Data Science.py

## **Contribution**

Contributions to this project are highly appreciated. If you wish to contribute or reviews this program, please create a pull request.

Purpose of this README is to helps reader on building a professional portfolio for Student Scoring project. Be sure to include user instructions, a license, and contribution guidelines as needed for your project.