Project Synopsis

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Title Of the Project: Electricity Billing System

**Introduction to Objectives of the study:**

1. Formulate an electricity bill for users with each having unique customer ID.

2. Identify between an admin and a user.

3. Provide the bill for each month on the basis of consumption of electricity at a fixed rate.

Formulating an electricity bill is a laborious task which could be made easy with the use of certain algorithms and a well-structured Python-Database connectivity system.

**Key features of using Python-MySQL database for an electricity billing system:**

* Easier to handle: Managing physical files could be tiring but managing them using a database is comparatively easy.
* Time Saving: Findings a specific file of a customer requires some time but when the same work is performed using a database system, the same work could be done in just a few keystrokes.
* Less Manpower: In a physical environment, many people need to be hired to keep record of file and to manage them but the same work could be done by a single person only who possesses knowledge of computers.

The pros of using a Python-MySQL system isn’t restricted to this but many more.

The creation of a database, usage of a database, adding a new customer, entering details of the customer and other related tasks could be performed by the admin. Whereas the user by entering his/her user ID could view their electricity bill for different months along with other personal details of themselves.