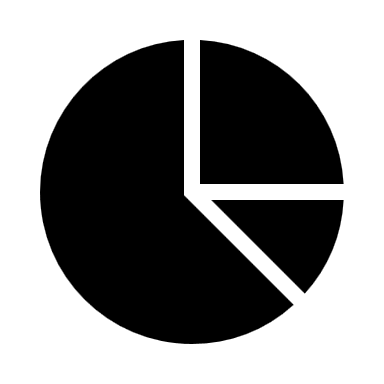
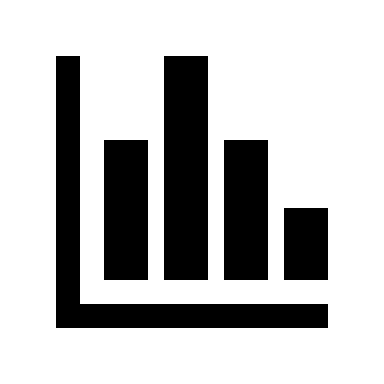
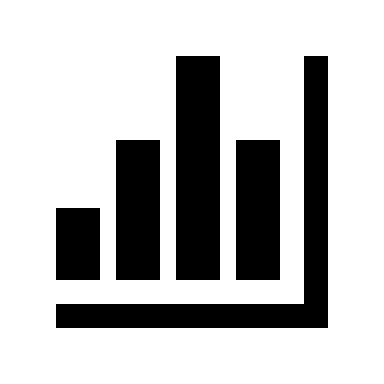
# 





**GRAPH PLOTTER**

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**HARDWARE REQUIREMENT:**

**1.Ram:** 2 GB or Higher

**2.CPU:** Capable of running Windows 10

**3.Display:** Capable of supporting 640 x 480 resolution or Higher

**SOFTWARE REQUIREMENT:**

**1.OS:** Windows 10

**2.Python:** Python 3.6 and higher

**3.MySQL:** MySQL 8.0

**4.Libraries(Python):**

1. tkinter
2. tkmagicgrid
3. csv
4. matplotlib
5. tkscrolledframe
6. mysql.connector

**A BRIEF OUTLINE OF MYSQL**

MySQL is open source relational database management system (RDBMS) based on Structured Query Language (SQL). MySQL runs on virtually all platforms, including Linux, UNIX and Windows. Although it can be used in a wide range of applications, MySQL is most often associated with web applications and online publishing.

Originally conceived by the Swedish company MySQL AB, MySQL was acquired by Sun Microsystems in 2008 and then by Oracle when it bought Sun in 2010. Developers can use MySQL under the GNU General Public License (GPL), but enterprises must obtain a commercial license from Oracle.

MySQL is based on a client-server model. The core of MySQL is MySQL server, which handles all of the database instructions (or commands). MySQL server is available as a separate program for use in a client-server networked environment and as a library that can be embedded (or linked) into separate applications.

MySQL enables data to be stored and accessed across multiple storage engines, including InnoDB, CSV, and NDB. MySQL is also capable of replicating data and partitioning tables for better performance and durability

**SYNOPSIS OF THE PROJECT**

This project consists of an GUI based application made using Tkinter providing seamless user interface to create chart from a user selectable table and fields from an existing MYSQL database or create a new database & table or importing a csv onto application and creating multiple chart forms like line/bar/pie

**AIMS AND OBJECTIVES**

1.To plot any kind of graph of a given data.

2.Import of data can be done either by manually entering data into the application interface of a MYSQL database , or by importing a Mysql database or a .csv file.

3.To create a fast and efficient way to view and create data.

4. To efficiently create the code using the commands within in the syllabus.

5.To Ensure Faster and Lag-Free Boot Time of the program.

6.To Restrict Unauthorized Access of the Project by building appropriate messagebox and exception handling.

7.To avoid Complexity in the source code for better and simpler understanding.

8.To ensure a good visual experience for the user with the help of the GUI

**ADVANTAGES OF THE PROJECT**

1.Provides a better understanding of a given array of data by using different plots .

2.Can be used for Mathematical purposes for plotting certain Graphs.

3.Can be used in different organization for predicting periodical Turnovers.

4.Can be used for Statistical and Research Purposes.