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Mohd. Shayyan

XII SCIENCE

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PYTHON INTRODUCTION

Python is a general purpose, dynamic, high-level, and interpreted programming language. Python is a high level language. It is a free and open source language. It is an interpreted language, as python programs are executed by an interpreter. Pandas is a software library written for the Python programming language for data manipulation and analysis. In particular, it offers data structures and operations for manipulating numerical tables and time series.

It is used For:

- **Web Development(Server-side)**
- **Software Development**
- **Mathematics**
- **System Scripting**

PANDAS INTRODUCTION

- **Pandas is a Python library used for working with data sets.**
- **It has functions for analyzing, cleaning, exploring, and manipulating data.**
- **The name "Pandas" has a reference to both "Panel Data", and "Python Data Analysis" and was created by Wes McKinney in 2008.**
- **Pandas can clean messy data sets, and make them readable and relevant.**
- **Relevant data is very important in data science.**
- **Pandas are also able to delete rows that are not relevant, or contains wrong values, like empty or NULL values. This is called cleaning the data.**

MATPLOTLIB INTRODUCTION

Matplotlib is an amazing visualization library in Python for 2D plots of arrays. Matplotlib is a multi-platform data visualization library built on NumPy arrays and designed to work with the broader SciPy stack. It was introduced by John Hunter in the year 2002. One of the greatest benefits of visualization is that it allows us visual access to huge amounts of data in easily digestible visuals. Matplotlib consists of several plots like line, bar, scatter, histogram, etc.

Matplotlib comes with a wide variety of plots. Plots help to understand trends, and patterns, and to make correlations. They're typically instruments for reasoning about quantitative information.

MySQL INTRODUCTION

MySQL is a relational database management system(RDBMS) developed by Oracle that is based on structured query language(SQL).

A database is a structured collection of data.It may be anything from a simple shopping list to a picture gallery or a place to hold the vast amounts of information in a corporate network.In particular,a reletional database is a digital store collecting data and organizing it according to the relational modal. In this modal,tables consist of rows and columns and relationship between data elements all follow a strict logical structure. An RDBMS is simply te set of software tools used to actually implement,manage and query such a database

CONCLUSION

A pivotal tool in revolutionizing the operations of a car showroom, bringing about a paradigm shift in efficiency, customer service, and overall business success. This comprehensive system seamlessly integrates various functionalities, ranging from inventory management and sales tracking to customer relationship management, streamlining complex processes and providing a holistic solution for showroom administrators.

The user-friendly interface of the Car Showroom Management System ensures accessibility for both employees and customers, fostering a positive and efficient user experience. This accessibility, combined with the system's ability to centralize and organize data, promotes a more organized and responsive approach to daily showroom operations.

Crucially, the system's impact extends beyond internal processes to customer interactions. It facilitates timely and personalized responses to customer inquiries, efficient management of test drives, and a heightened level of engagement that enhances overall customer satisfaction. This positive customer experience contributes not only to customer retention but also to the showroom's reputation and market standing.

In essence, the Car Showroom Management System is a testament to the transformative power of technology in the automotive retail sector. By embracing and implementing such a system, car showrooms position themselves at the forefront of industry innovation, ensuring a competitive edge and sustained success in the dynamic and evolving automotive landscape.