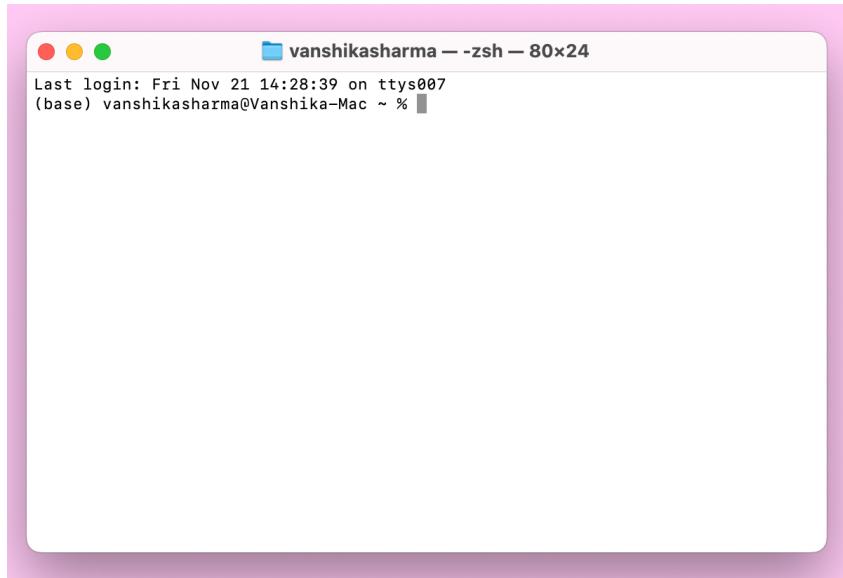


Data Architecture CA (23198389)

How to run the Python code

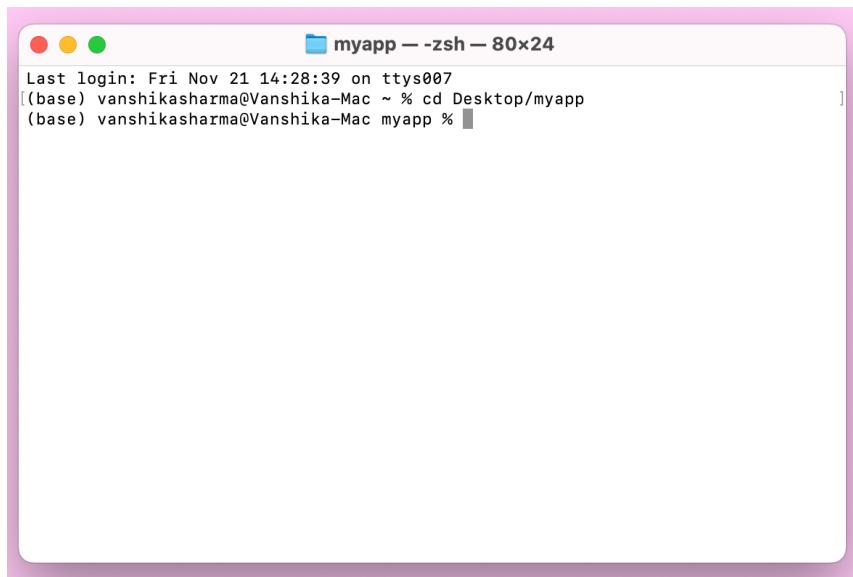
→ Step 1

Open the terminal



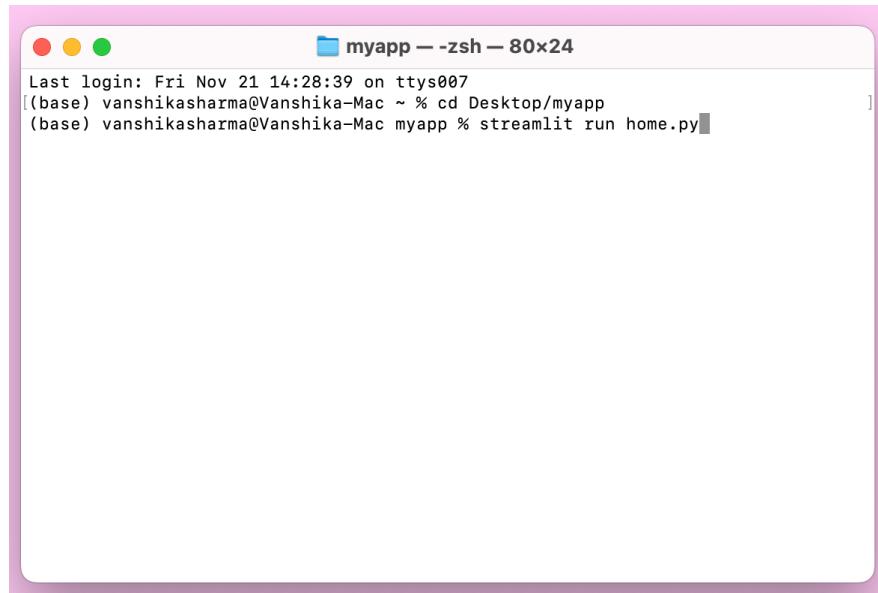
→ Step 2

Open the myapp file (I am using Mac)



→ Step 3

Use the command `streamlit run home.py`

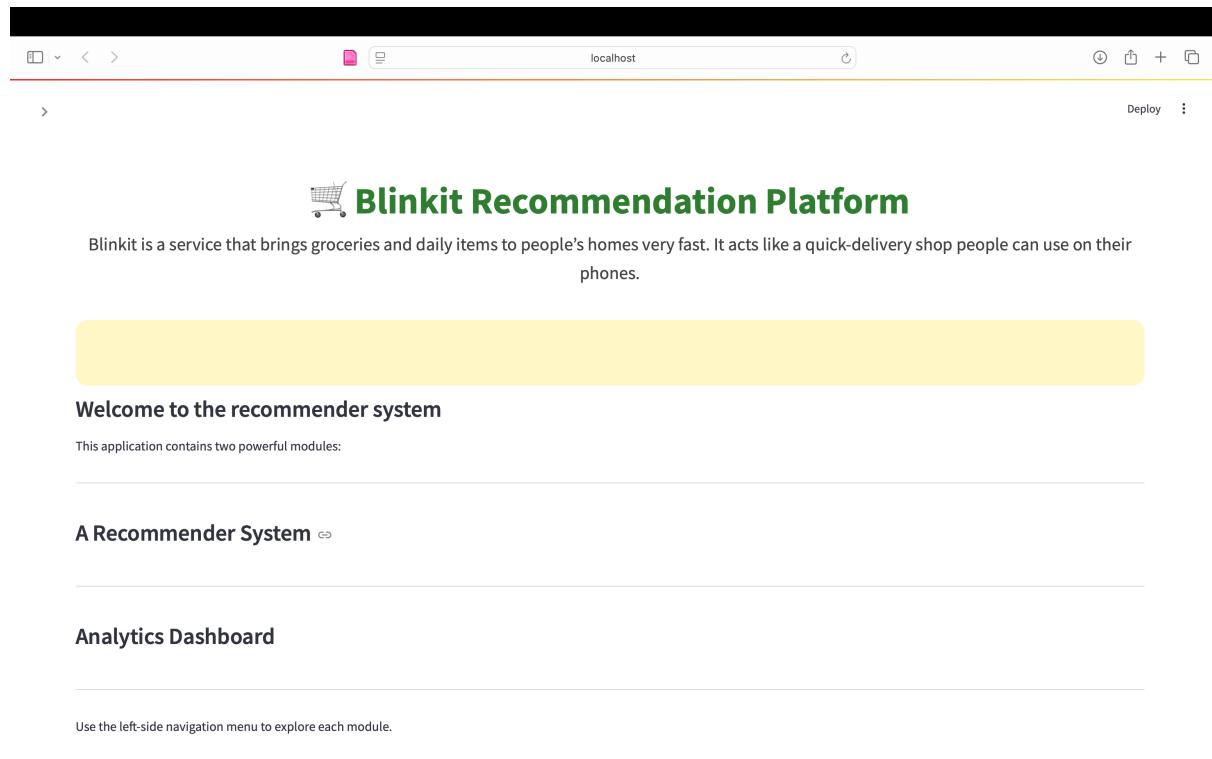


A screenshot of a macOS terminal window titled "myapp — zsh — 80x24". The window shows the command line history:

```
Last login: Fri Nov 21 14:28:39 on ttys007
(base) vanskasharma@Vanshika-Mac ~ % cd Desktop/myapp
(base) vanskasharma@Vanshika-Mac myapp % streamlit run home.py
```

→ Step 4

See the home page



The screenshot shows a web browser displaying the "Blinkit Recommendation Platform". The title bar includes navigation icons and the URL "localhost". The main content area features a green header with the text "Blinkit Recommendation Platform" and a shopping cart icon. Below the header, a paragraph describes Blinkit as a service for quick grocery delivery. A yellow button labeled "Get Started" is visible. The main content area contains two sections: "Welcome to the recommender system" and "A Recommender System". A horizontal line with a "Display a menu" link is at the bottom.

Blinkit is a service that brings groceries and daily items to people's homes very fast. It acts like a quick-delivery shop people can use on their phones.

Welcome to the recommender system

This application contains two powerful modules:

A Recommender System

Analytics Dashboard

Use the left-side navigation menu to explore each module.

Display a menu

The screenshot shows a web browser window with the URL "localhost". The title bar says "Blinkit Recommendation Platform". On the left, there's a sidebar with "home" selected, followed by "Analytics" and "Recommender". Below the sidebar, a button says "Display a menu". The main content area has a yellow header bar with a shopping cart icon and the text "Blinkit Recommendation Platform". Below it, a paragraph reads: "Blinkit is a service that brings groceries and daily items to people's homes very fast. It acts like a quick-delivery shop people can use on their phones." A large yellow button at the bottom of the header bar says "Welcome to the recommender system". Underneath, a section titled "A Recommender System" has a link "→". Another section titled "Analytics Dashboard" follows. At the bottom of the main content, a note says "Use the left-side navigation menu to explore each module."

→ Step 5

Use Analytics to see the dashboards and apply filters for any brand or category (it takes time to run this page) I have used Dairy Category here, and selected all the brands.

The screenshot shows a web browser window with the URL "localhost". The title bar says "Blinkit Recommendation Platform". The sidebar on the left has "Analytics" selected. In the main content area, there are three large grid-based charts side-by-side, each showing monthly sales data for various brands. Below these charts is a section titled "Brand Revenue Race". A chart titled "Brand Revenue Race Over Time" shows revenue for four brands: Amul (dark blue), Mother Dairy (light blue), Gowardhan (red), and Aavin (pink). The x-axis represents revenue in thousands, ranging from 0 to 20k. The y-axis lists the brands. A legend on the right identifies the colors: dark blue for Amul, light blue for Mother Dairy, red for Gowardhan, and pink for Aavin. A date selector at the bottom indicates "period=2023-01".

→ Step 6

Recommendations system, it gives an option to select how many recommendations a user wants to see, and also suggest customers also bought this (this is general for all, based on most selling items, based on category or brand). There is a filter to sort out based on prices as well.

The screenshot shows the Blinkit Product Recommender interface for Beverages. The left sidebar includes links for home, Analytics, and Recommender, with 'Recommender' selected. Under 'Controls', the User ID is set to 1004, Number of Recommendations is set to 5, Category is set to Beverages, and Brand is set to All. The 'Sort by Price' section has 'Price: Low to High' selected. A 'Get Recommendations' button is present. The main content area is titled 'Blinkit Product Recommender' and displays 'Recommended Products'. It lists four products: Tropicana Lite Beverages (931 units), Minute Maid Fresh Beverages (517 units), Minute Maid Premium Beverages (824 units), and Coca-Cola Organic Beverages (261 units). Below this is a section titled 'Customers Also Bought' which lists Coca-Cola Original Beverages (520 units).

Product	Brand	Reviews	Price
Tropicana Lite Beverages	Tropicana • Beverages	206	₹26.39
Minute Maid Fresh Beverages	Minute Maid • Beverages	327	₹99.10
Minute Maid Premium Beverages	Minute Maid • Beverages	417	₹117.72
Coca-Cola Organic Beverages	Coca-Cola • Beverages	115	₹188.72

The screenshot shows the Blinkit Product Recommender interface for Bakery. The left sidebar includes links for home, Analytics, and Recommender, with 'Recommender' selected. Under 'Controls', the User ID is set to 1008, Number of Recommendations is set to 5, Category is set to Bakery, and Brand is set to All. The 'Sort by Price' section has 'Price: Low to High' selected. A 'Get Recommendations' button is present. The main content area displays 'Recommended Products' for Bakery. It lists three products: BakeHouse Family Pack Bakery (367 units), Britannia Classic Bakery (976 units), and Britannia Premium Bakery (903 units). Below this is a section titled 'Customers Also Bought' which lists Britannia Original Bakery (113 units), BakeHouse Lite Bakery (360 units), and Britannia Classic Bakery (823 units).

Product	Brand	Reviews	Price
BakeHouse Family Pack Bakery	BakeHouse • Bakery	82	₹118.01
Britannia Classic Bakery	Britannia • Bakery	165	₹391.74
Britannia Premium Bakery	Britannia • Bakery	55	₹441.49