import numpy as np

import matplotlib.pyplot as plt

orders = np.array([320, 450, 600, 230, 310])

categories = ["Electronics", "Clothing", "Groceries", "Books", "Toys"]

total\_orders = np.sum(orders)

print("Orders in each category:")

for cat, count in zip(categories, orders):

    print(cat, ":", count)

print("\nTotal Orders:", total\_orders)

plt.pie(orders, labels=categories, autopct='%1.1f%%', startangle=140)

plt.title("Order Distribution by Category")

plt.show()

OUTPUT:

Orders in each category:

Electronics : 320

Clothing : 450

Groceries : 600

Books : 230

Toys : 310

