

Experiment No: 10

Reading, Creating, and Modifying PDF Files in Python

Objective:

To analyze customer transaction data and segment customers based on their shopping behavior using data analysis and clustering techniques in Python.

Task Description:

You are working for a company that sells products online. Your task is to develop a Python program that reads order data from a CSV file, generates individual PDF invoices for each order, and then merges all the PDF invoices into a single PDF file.

1. Load Order Data: The program should read order data from a CSV file named "orders.csv." Each row in the CSV file represents an order with the following information:

1. Order ID (a unique alphanumeric code)
2. Customer Name
3. Product Name
4. Quantity
5. Unit Price

2. Calculate Total Amount: For each order, calculate the total amount by multiplying the quantity with the unit price.

Generate PDF Invoices: Create individual PDF invoices for each order. Each invoice should contain the following details:

1. Invoice Number (same as the Order ID)
2. Date of Purchase (current date)
3. Customer Name
4. Product Name
5. Quantity
6. Unit Price
7. Total Amount