HOLY CROSS SR. SEC. SCHOOL

INFORMATICS PRACTICES

SHOE MANAGEMENT SYSTEM

GUIDED BY-Mrs.Zeenat Teacher

Mrs.Shikha Teacher

SUBMITTED BY-BHAVESH BALENDRA
ROLL NO. -

CERTIFICATE OF ORIGINALITY

This is to certify that the project report titled Shoe Management System which is being submitted by Bhavesh Balendra Class 12TH "A" studying in Holy cross Sr. sec. School own work carried out under the guidance of school teacher.

INTERNAL EXAMINER

EXTERNAL EXAMINER

PREFACE

This Software Project is developed to automate the functionality of Apple's Customer management system. The purpose of this software is to closely imitate the actual Apple Online Store, allowing the users to purchase their desired Apple product from the available products catalog and also select the quantity they would want to purchase.

ACKNOWLEDGEMENT

We have taken efforts in this project. However, it would not have been possible without the kind help of many individuals and organization. I would like to extend my sincere thanks to all of them.

I thank God for providing me with everything, I required in completing this project.

I am highly indebted to the school management for providing us special classes for "Informatics Practices" which helped me a lot for completion of this project.

I am highly grateful to the teacher incharges Zeenat Teacher for their guidance and constant supervision as for necessary information regarding the project.

I would like to express my gratitude towards my Parents and their kind cooperation and encouragement which helped me a lot in completion of this project.

My thanks and appreciation also goes to my classmates in developing the project and to the people who have willingly helped me.

THANK YOU

BHAVESH BALENDRA

INDEX

INTRODUCTION

Pandas-In computer programming, 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

CSV-A comma-separated values file is a delimited text file that uses a comma to separate values. Each line of the file is a data record. Each record consists of one or more fields, separated by commas. The use of the comma as a field separator is the source of the name for this file format.

Pandas is a very powerful and popular framework for data analysis and manipulation. One of the most striking features of Pandas is its ability to read and write various types of files including CSV and Excel. You can effectively and easily manipulate CSV files in Pandas using functions.

Screenshot of Code

(1).

```
import matplotlib.pyplot as plt
import pandas as pd

def menu():
    print("------------------------------------------------------------")
    print("    ✨✨Shoes Managment ✨✨    ")
    print("------------------------------------------------------------")
    print("[1].Display csv Files")
    print("------------------------------------------------------------")
    print("Indexing:")
    print("[2].Index as ID:")
    print("------------------------------------------------------------")
    print("[3].Buy Shoe")
    print("------------------------------------------------------------")
    print("Line Chart")
    print("[4].Plot line Chart:")
    print("------------------------------------------------------------")
    print("Bar Chart")
    print("[5].Plot Bar Chart:")
    print("------------------------------------------------------------")
    print("Accessing:")
    print("[6].Accessing Brands Names")
    print("------------------------------------------------------------")
    print("MAX and MIN Values:")
    print("[7].Maximum Values")
    print("[8].Minimum Values")
    print("------------------------------------------------------------")

menu()

def readcsv():
    print("Data Frame")
    df=pd.read_csv("E:\Holy Cross School Class-12 'A' PCM\Project and Activits\IP\Pandas Project\Pandas Code\project.csv")
    print(df)

def no_index():
    print("WithOut Index")
    df=pd.read_csv("E:\Holy Cross School Class-12 'A' PCM\Project and Activits\IP\Pandas Project\Pandas Code\project.csv",index_col=0)
    print(df)
```

(2).

```
def line_plot():
    Sales=[7,5,9,6,2,3,1,4,8]
    years=[1,2,3,4,5,6,7,8,9]
    plt.plot(years,Sales)
    plt.title('Perfomance')
    plt.xlabel("years")
    plt.ylabel("Sales")
    plt.show()

def bar_plot():
    Brands=["adidas","Nike","Paragon","Bahamas","Sparks","Bata","Campus","Reebok","Puma"]
    Quantity=[7,5,8,3,9,2,4,1,6]
    plt.bar(Quantity,Brands)
    plt.title("Quantity Observation")
    plt.xlabel("Shoes Quantity")
    plt.ylabel("Different Brands")
    plt.show

def column():
    print("Brands")
    df=pd.read_csv("E:\Holy Cross School Class-12 'A' PCM\Project and Activits\IP\Pandas Project\Pandas Code\project.csv",index_col=0)
    print(df.Brands)

def M():
    print("Maximum Values")
    df=pd.read_csv("E:\Holy Cross School Class-12 'A' PCM\Project and Activits\IP\Pandas Project\Pandas Code\project.csv")
    print(df.Cost.max())

def MI():
    print("Minimum Values")
    df=pd.read_csv("E:\Holy Cross School Class-12 'A' PCM\Project and Activits\IP\Pandas Project\Pandas Code\project.csv")
    print(df.Cost.min())

def shoe():
    print("HELLO")
    df=pd.read_csv("E:\Holy Cross School Class-12 'A' PCM\Project and Activits\IP\Pandas Project\Pandas Code\project.csv")
    print(df[["Brands","Cost"]])
    a= str(input("Enter Brand Name:"))
    if a=="adidas":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*5999)
        print("Order Placed")
```

(3).

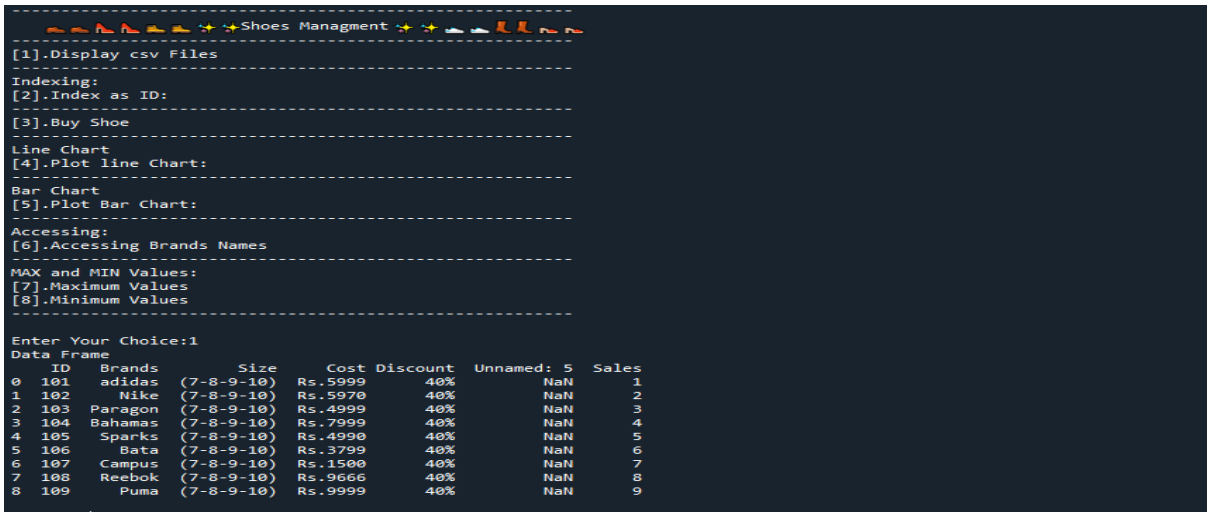
```
    elif a=="Nike":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*5970)
        print("Order Placed")

    elif a=="Paragon":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*4999)
        print("Order Placed")

    elif a=="Bahamas":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*7999)
        print("Order Placed")

    elif a=="Sparks":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*4990)
        print("Order Placed")

    elif a=="Bata":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*3799)
        print("Order Placed")

    elif a=="Campus":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*1500)
        print("Order Placed")
```

(4).

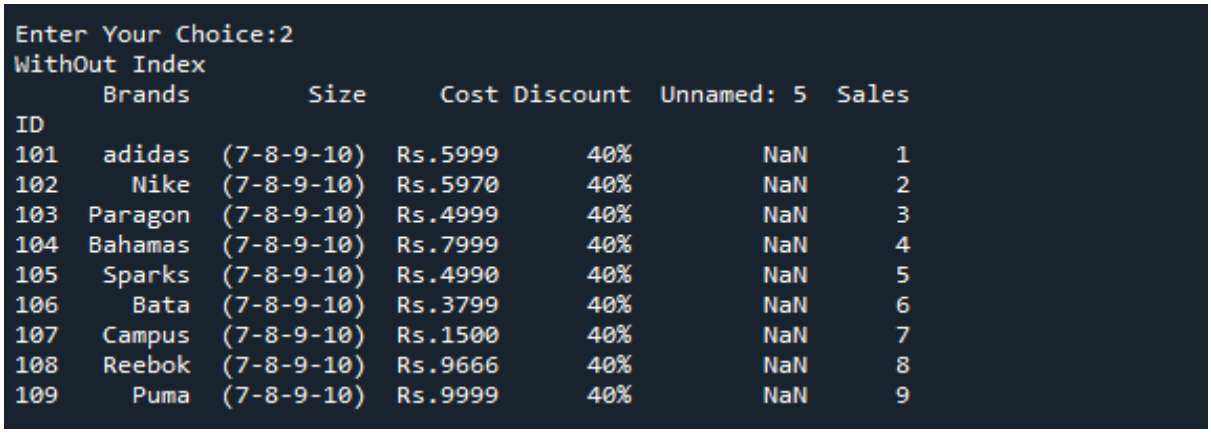
```
    elif a=="Reebok":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*9666)
        print("Order Placed")

    elif a=="Puma":
        print("ConFirm")
        c= input("Enter the size:")
        b= int(str(input("Enter the Quantity:")))
        print("The Price of",b,a,"will be",b*9999)
        print("Order Placed")

    else:
        print("Entered Wrong Brand")


opt=int(input("Enter Your Choice:"))

if opt==1:
    readcsv()
elif opt==2:
   no_index()
elif opt==3:
       shoe()
elif opt==4:
  line_plot()
elif opt==5:
   bar_plot()
elif opt==6:
     column()
elif opt==7:
     M()
elif opt==8:
     MI()
```

Screenshot of Output

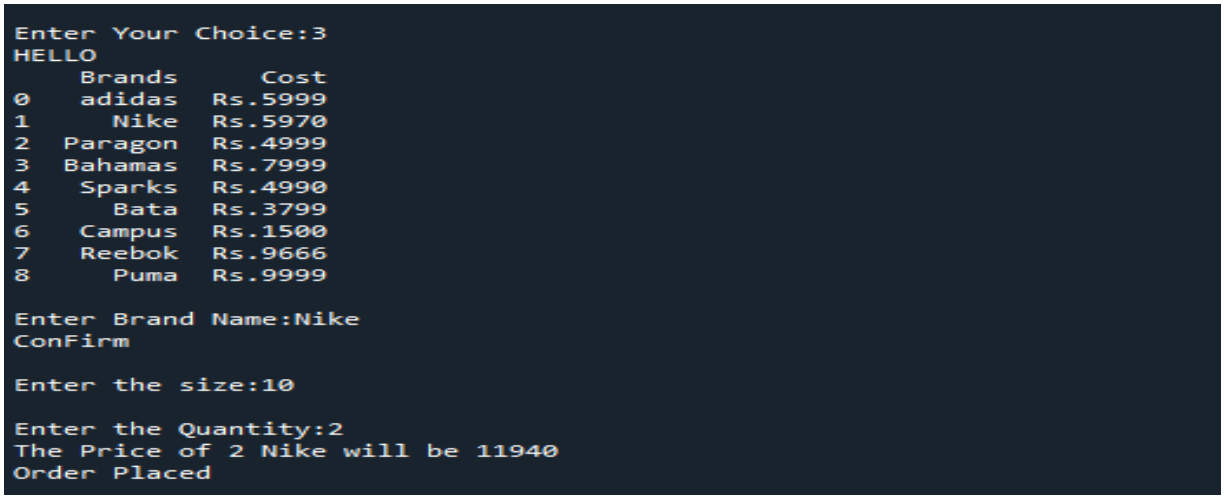
(1).



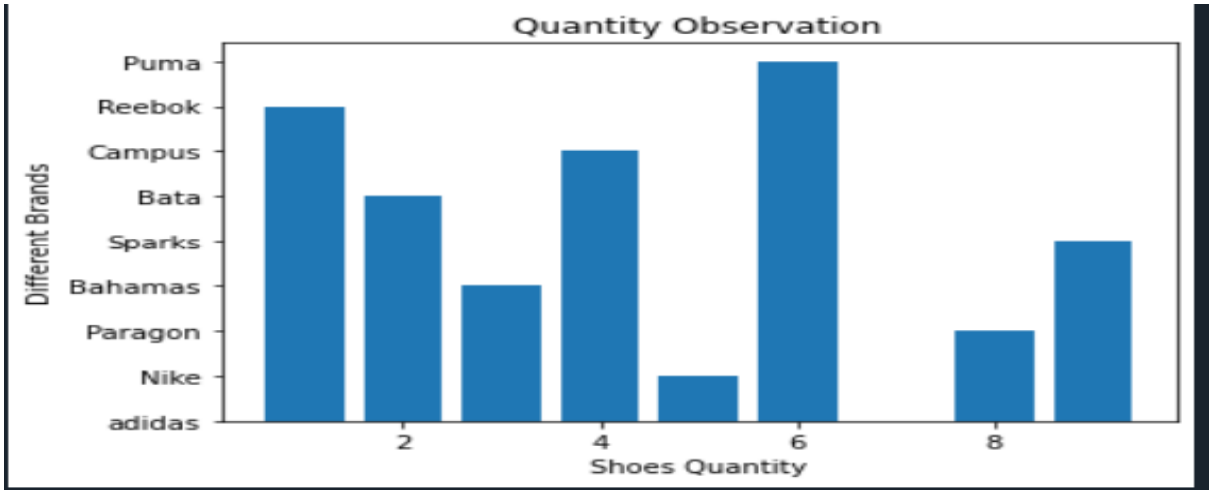
(2).



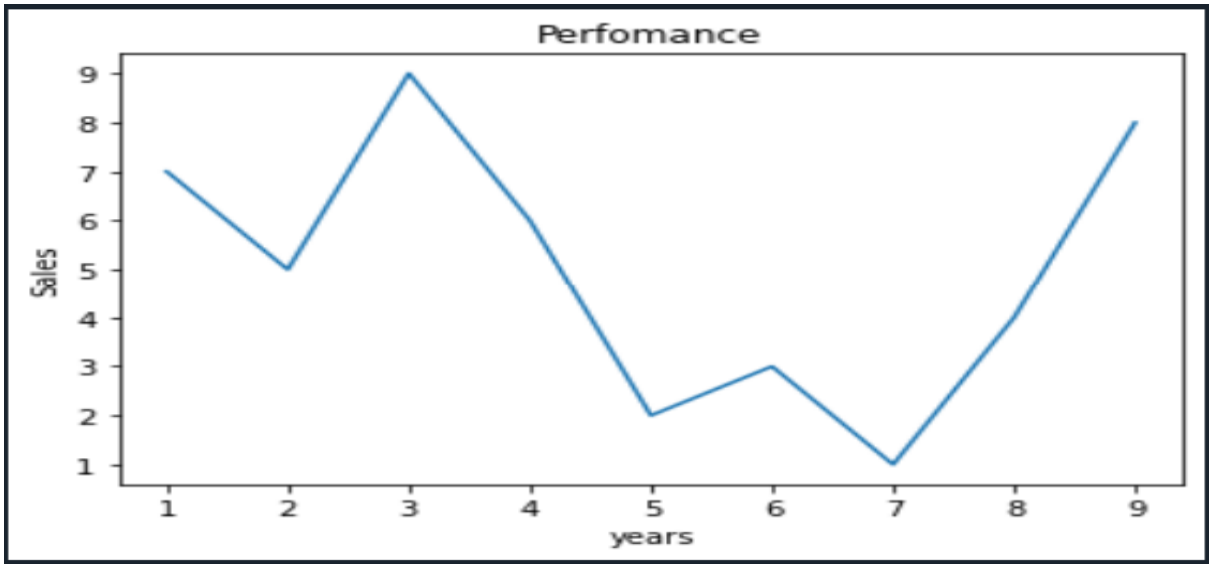
(3).



(4).



(5).



(6).

```
Enter Your Choice:6
Brands
ID
101      adidas
102        Nike
103     Paragon
104     Bahamas
105      Sparks
106        Bata
107      Campus
108      Reebok
109        Puma
Name: Brands, dtype: object
```

(7).

```
Enter Your Choice:7
Maximum Values
Rs.9999
```

(8).

```
Enter Your Choice:8
Minimum Values
Rs.1500
```

CONCLUSION

This program can be used to help the person to buy an Shoe product from the given Database. The Coustomer can place order for their desired products from their home and review Details of the products to be purchased beforehand for assurance all from their home or workplace.

Bibliography

- www.google.com
- www.w3schools.com/python
- Matplotlib.org
- www.python.org
- Informatics Practices by Sumita Arora