**PYTHON**

**PROJECT**

pcacs

PROJECT ENTITLED

**BANK MANAGEMENT SYSTEM**

SUBMITTED BY

***1914 PRASAD BELOTE***

***1915 VIRAJ BHAGAT***

UNDER GUIDANCE OF

***Mrs. SANJANA BHANGALE MAM***

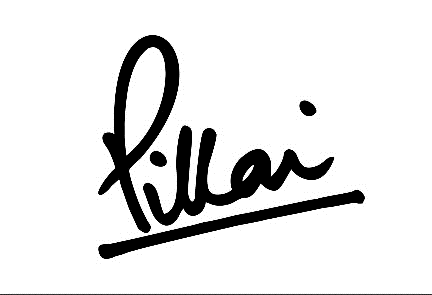
**PILLAI COLLEGE OF ARTS, COMMERCE &**

**SCIENCE, NEW PANVEL**

**2020-2021**



DESCRIPTION ABOUT PROJECT



*In bank management we have to create our bank account first then give some your information for creating account and give password for your bank account then check your passbook which you get when account was created then login account with your Name and Surname, Customer ID , Account No & Password then select option is you want to credit in your account or debit in your account after after choosing this option your bank passbook will be update for checking bank passbook you have to check in folder again. For getting ATM card you have to enter 3 number then you have to give some information then you will get your ATM card for checking ATM card you have to check in bank management folder.*

Thank You :)

CODE

|  |
| --- |
|  |
| try​ : |
| ​import​ ​os |
| ​import​ ​random |
| ​from​ ​openpyxl​ ​import​ ​load\_workbook​,​Workbook |
| ​import​ ​openpyxl |
| ​from​ ​time​ ​import​ ​sleep |
| ​from​ ​datetime​ ​import​ ​date |
| ​import​ ​pyfiglet |
| except​ ​ModuleNotFoundError​: |
| ​os​.system(​"python -m pip install colorama openpyxl pyfiglet"​) |
|  |
|  |
| path​ = ​"Account Details.xlsx" |
| #ACC\_No= 124300000 |
| #CustomerID=110000000 |
| Today​=​date​.​today​() |
| Out​=​"Hii" |
|  |
|  |
| def​ ​CBA​(): |
| ​sleep​(​3​) |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​logo​() |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"|​\t\t\t\t\t\t\t\t\t​CREATE BANK ACCOUNT |
| |"​) |
|  |
| print​(​"|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|​\n\n​"​) |
| ​Name​=​str​(​input​(​"Name: "​)) |
| ​Surname​=​str​(​input​(​"Surname: "​)) |
| ​Address​=​str​(​input​(​"Address: "​)) |
| ​SM​=​int​(​input​(​"Entry Money: "​)) |
| ​Adhar​=​str​(​input​(​"Do you have aadhar card (Yes/No): "​)) |

|  |
| --- |
| ​if​ ​Adhar​==​"Yes"​: |
| ​AdharNo​=​int​(​input​(​"Aadhar Number: "​)) |
| ​else​: |
| ​AdharNo​=​000000 |
| ​Pan​=​str​(​input​(​"Do you have pan card (Yes/No): "​)) |
| ​if​ ​Pan​==​"Yes"​: |
| ​PanNo​=​int​(​input​(​"Pan Number: "​)) |
| ​else​: |
| ​PanNo​=​0000000 |
| ​Password​=​str​(​input​(​"Password: "​)) |
|  |
| print​(​"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_​\n\n​"​) |
| ​ATM\_No1​=​str​(​random​.​randrange​(​1000​,​9999​)) |
| ​ATM\_No2​=​str​(​random​.​randrange​(​1000​,​9999​)) |
| ​ATM\_No3​=​str​(​random​.​randrange​(​1000​,​9999​)) |
| ​ATM\_No4​=​str​(​random​.​randrange​(​1000​,​9999​)) |
| ​ATM\_No​=​ATM\_No1​ + ​" "​ + ​ATM\_No2​ + ​" "​ + ​ATM\_No3​ + ​" "​ + ​ATM\_No4 |
|  |
| ​Today​=​date​.​today​() |
|  |
| ​wb​ = ​load\_workbook​(​path​) |
| ​ws​ = ​wb​.​active |
| ​m\_row​ = ​len​(​ws​[​'a'​]) |
| ​row\_AccountNo​=​ws​.cell(​m\_row​,​column​=​7​).value |
| ​row\_CustomerID​=​ws​.cell(​m\_row​,​column​=​8​).value |
| ​AccountNo​= ​int​(​row\_AccountNo​) + ​1 |
| ​CustomerID​= ​int​(​row\_CustomerID​) + ​1 |
|  |
|  |
| ​LFULLNAME​=​Name​+​" "​+​Surname |
| ​ws​.append([​Name​+​" |
| "​+​Surname​,​Address​,​SM​,​AdharNo​,​PanNo​,​Password​,​AccountNo​,​CustomerID​,​ATM\_No​,​To |
| day​]) |
| ​wb​.​save​(​path​) |
| ​openpass​(​LFULLNAME​,​CustomerID​,​AccountNo​,​Password​) |
| ​return​ ​Name​+​" |
| "​+​Surname​,​Address​,​SM​,​AdharNo​,​PanNo​,​Password​,​AccountNo​,​CustomerID |
|  |

|  |
| --- |
|  |
| def​ ​openpass​(​LFULLNAME​,​LID​,​LAccountNo​,​Password​): |
| ​wb​ = ​load\_workbook​(​filename​=​path​) |
| ​ws​ = ​wb​.​active |
| ​m\_row​ = ​len​(​ws​[​'a'​]) |
| ​for​ ​i​ ​in​ ​range​(​2​,​m\_row​+​1​): |
| ​row\_name​=​ws​.cell(​row​=​i​,​column​=​1​).value |
| ​row\_address​=​ws​.cell(​row​=​i​,​column​=​2​).value |
| ​row\_SM​=​ws​.cell(​row​=​i​,​column​=​3​).value |
| ​row\_Adhar​=​ws​.cell(​row​=​i​,​column​=​4​).value |
| ​row\_Pan​=​ws​.cell(​row​=​i​,​column​=​5​).value |
| ​row\_Password​=​ws​.cell(​row​=​i​,​column​=​6​).value |
| ​row\_AccountNo​=​ws​.cell(​row​=​i​,​column​=​7​).value |
| ​row\_CustomerID​=​ws​.cell(​row​=​i​,​column​=​8​).value |
|  |
| ​if​ ​LFULLNAME​ == ​row\_name​ ​and​ ​LID​ == ​row\_CustomerID​ ​and |
| LAccountNo​ == ​row\_AccountNo​ ​and​ ​Password​ == ​row\_Password​: |
|  |
| print​(​"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"Successful!!!! :)"​) |
|  |
| print​(​"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​try​: |
|  |
| a​=​load\_workbook​(​f​'​{​row\_CustomerID​}​\_​{​LFULLNAME​}​\_PASSBOOK (Main).xlsx'​) |
| ​except​: |
| ​a​=​openpyxl​.​load\_workbook​(​'PASSBOOK (Main).xlsx'​) |
|  |
| ​sheet​ = ​a​.​active |
| ​sheet​[​'E9'​]=​LFULLNAME |
| ​sheet​[​'E10'​]=​row\_address |
| ​sheet​[​'E8'​]=​row\_AccountNo |
| ​sheet​[​'E7'​]=​row\_CustomerID |
| ​sheet​[​'E11'​]= ​date​.​today​() |
| ​sheet​[​'A15'​]= ​date​.​today​() |
| ​sheet​[​'B15'​]=​"CREDITED" |

|  |
| --- |
| ​sheet​[​'C15'​]=​"NA" |
| ​sheet​[​'D15'​]=​row\_SM |
| ​sheet​[​'E15'​]=​row\_SM |
| ​open​=​f​'​{​row\_CustomerID​}​\_​{​LFULLNAME​}​\_PASSBOOK (Main).xlsx' |
| ​a​.​save​(​open​) |
| ​os​.​system​(​open​) |
| ​sleep​(​3​) |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
|  |
| ​return​ ​"Yes" |
| ​elif​ ​LFULLNAME​!=​row\_name​ ​and​ ​i​==​m\_row​: |
| ​print​(​"Not Found !!"​) |
| ​print​(​"Please Try Again :)"​) |
| ​sleep​(​3​) |
| ​sleep​(​2​) |
| ​os​.​system​(​"cls"​) |
|  |
|  |
| def​ ​Mchoice​(​Method​,​LFULLNAME​,​CustomerID​): |
| ​CH​=+​1 |
| ​CREDIT​=​0 |
| ​DEBIT​=​0 |
| ​if​ ​Method​== ​'A'​: |
| ​while​ ​True​: |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​sleep​(​1​) |
| ​logo​() |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"|​\t\t\t\t\t\t\t\t\t​ CREDIT |
| |"​) |
|  |
| print​(​"|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|​\n\n​"​) |

|  |
| --- |
| ​CREDIT​=​int​(​input​(​"How much amount you want to |
| Credit in your Bank Account: "​)) |
| ​Check​=​str​(​input​(​"Are you sure you want to |
| Credit ​{}​Rs in your account.(Yes/No): "​.​format​(​CREDIT​))) |
| ​if​ ​Check​==​'Yes'​: |
| ​print​(​"Ok. Beacause of your |
| confirmation we are crediting ​{}​Rs in your Bank Account."​.​format​(​CREDIT​)) |
| ​print​(​"Wait while we are updating your |
| Bank passbook. :)"​) |
| ​sleep​(​3​) |
| ​print​(​"Your Bank Passbook Have Been |
| Update Please Check Your Bank Passbook"​) |
| ​sleep​(​3​) |
|  |
| a​=​load\_workbook​(​f​'​{​CustomerID​}​\_​{​LFULLNAME​}​\_PASSBOOK (Main).xlsx'​) |
| ​b​=​a​.​active |
| ​ws​=​len​(​b​[​'E'​]) |
| ​for​ ​i​ ​in​ ​range​(​2​,​ws​+​1​): |
| ​SM​=​b​.cell(​row​=​i​,​column​=​5​).value |
| ​ADD​=​SM​+​CREDIT |
|  |
| b​.append([​Today​,​"CREDITED"​,​"NA"​,​CREDIT​,​ADD​]) |
|  |
| a​.​save​(​f​'​{​CustomerID​}​\_​{​LFULLNAME​}​\_PASSBOOK (Main).xlsx'​) |
| ​sleep​(​2​) |
| ​os​.​system​(​"cls"​) |
| ​break |
| ​else​: |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"​\t\t\t\t\t\t​OK!! Please write |
| proper balance again..."​) |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​sleep​(​2​) |
| ​os​.​system​(​"cls"​) |

|  |
| --- |
| ​os​.​system​(​f​'​{​CustomerID​}​\_​{​LFULLNAME​}​\_PASSBOOK |
| (Main).xlsx')​ |
|  |
| ​elif​ ​Method​== ​'B'​: |
| ​while​ ​True​: |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​sleep​(​1​) |
| ​logo​() |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"|​\t\t\t\t\t\t\t\t\t​ DEBIT |
| |"​) |
|  |
| print​(​"|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|​\n\n​"​) |
| ​DEBIT​=​int​(​input​(​"How much amount you want to |
| Debit in your Bank Account: "​)) |
| ​Check​=​str​(​input​(​"Are you sure you want to |
| Debit ​{}​Rs in your account.(Yes/No): "​.​format​(​DEBIT​))) |
| ​if​ ​Check​==​'Yes'​: |
| ​print​(​"Ok. Beacause of your |
| confirmation we are debiting ​{}​Rs from your Bank Account."​.​format​(​DEBIT​)) |
| ​print​(​"Your Bank Passbook will be |
| update within 3 second."​) |
| ​sleep​(​3​) |
| ​print​(​"Your Bank Passbook Have Been |
| Update Please Check Your Bank Passbook"​) |
| ​sleep​(​3​) |
|  |
| a​=​load\_workbook​(​f​'​{​CustomerID​}​\_​{​LFULLNAME​}​\_PASSBOOK (Main).xlsx'​) |
| ​b​=​a​.​active |
| ​ws​=​len​(​b​[​'E'​]) |
| ​for​ ​i​ ​in​ ​range​(​2​,​ws​+​1​): |
| ​SM​=​b​.cell(​row​=​i​,​column​=​5​).value |
| ​ADD​=​SM​-​DEBIT |

|  |
| --- |
|  |
| b​.append([​Today​,​"DEBITED"​,​DEBIT​,​"NA"​,​ADD​]) |
|  |
| a​.​save​(​f​'​{​CustomerID​}​\_​{​LFULLNAME​}​\_PASSBOOK (Main).xlsx'​) |
| ​sleep​(​1​) |
| ​os​.​system​(​"cls"​) |
| ​sleep​(​1​) |
| ​break |
| ​else​: |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"​\t\t\t\t\t\t​OK!! Please write |
| proper balance again..."​) |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​sleep​(​2​) |
| ​os​.​system​(​"cls"​) |
| ​sleep​(​1​) |
| ​os​.​system​(​f​"​{​LFULLNAME​}​\_PASSBOOK (Main).xlsx"​) |
| ​else​: |
| ​print​(​"Wrong method!!! ​\n​Please enter once again.."​) |
| ​sleep​(​2​) |
|  |
|  |
|  |
| def​ ​logo​(): |
| ​os​.​system​(​"pyfiglet --width=150 -f slant Banking Management"​) |
|  |
|  |
|  |
|  |
| while​ ​True​: |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​logo​() |

|  |
| --- |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"|​\t\t\t |
| |"​) |
| ​print​(​"|​\t\t\t\t\t​ 1 ] Create Bank Account |
| |"​) |
| ​print​(​"|​\t\t\t\t\t​ 2 ] Login Acconut |
| |"​) |
| ​print​(​"|​\t\t\t\t\t​ 3 ] ATM |
| |"​) |
| ​print​(​"|​\t\t\t\t\t​ 4 ] Exit |
| |"​) |
|  |
| print​(​"|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|"​) |
| ​Choice​=​int​(​input​(​"​\n\t\t\t\t​ Enter Choice in Number : "​)) |
|  |
| ​if​ ​Choice​==​1​: |
|  |
| Fullname​,​Address​,​SM​,​AdharNo​,​PanNo​,​Password​,​AccountNo​,​CustomerID​=​CBA​() |
| ​openpass​(​Fullname​,​CustomerID​,​AccountNo​,​Password​) |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​sleep​(​2​) |
| ​elif​ ​Choice​==​2​: |
| ​while​ ​True​: |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​sleep​(​2​) |
| ​logo​() |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"|​\t\t\t\t\t\t\t\t\t​ LOGIN ACCOUNT |
| |"​) |

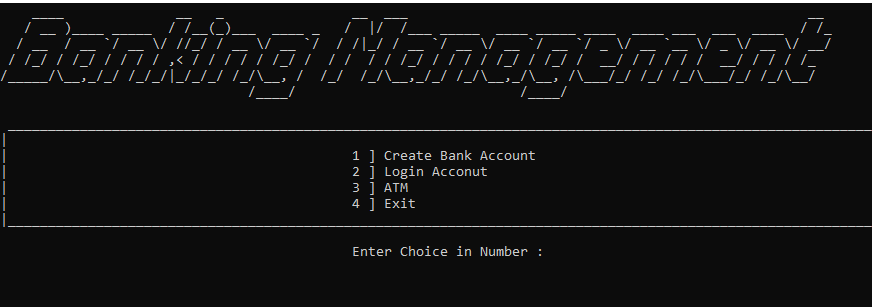
|  |
| --- |
|  |
| print​(​"|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|​\n\n​"​) |
| ​LFULLNAME​=​str​(​input​(​"NAME & SURNAME: "​)) |
| ​CustomerID​=​int​(​input​(​"Customer ID: "​)) |
| ​LAccountNo​=​int​(​input​(​"Account No.: "​)) |
| ​Password​=​str​(​input​(​"Password: "​)) |
|  |
| print​(​"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_​\n\n​"​) |
| ​if​ ​True​: |
| ​Out​=​openpass​(​LFULLNAME​,​CustomerID​,​LAccountNo​,​Password​) |
| ​if​ ​Out​==​"Yes"​: |
| ​break |
|  |
|  |
|  |
| print​(​"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_​\n\n​"​) |
| ​print​(​"Select One Option From Given.​\n​"​) |
| ​print​(​"A . Credit​\n​"​) |
| ​print​(​"B . Debit​\n​"​) |
|  |
| print​(​"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_​\n​"​) |
| ​Method​=​str​(​input​(​"Enter which method you want to choose: "​)) |
| ​Mchoice​(​Method​,​LFULLNAME​,​CustomerID​) |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
|  |
| ​elif​ ​Choice​==​3​: |
| ​while​ ​True​: |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​sleep​(​2​) |
| ​logo​() |

|  |
| --- |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"|​\t\t\t\t\t\t\t\t\t​ ATM |
| |"​) |
|  |
| print​(​"|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|​\n\n​"​) |
| ​LFULLNAME​=​str​(​input​(​"NAME & SURNAME: "​)) |
| ​LID​=​int​(​input​(​"Customer ID: "​)) |
| ​LAccountNo​=​int​(​input​(​"Account No.: "​)) |
| ​Password​=​str​(​input​(​"Password: "​)) |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​wb​ = ​load\_workbook​(​filename​=​path​) |
| ​ws​ = ​wb​.​active |
| ​m\_row​ = ​len​(​ws​[​'a'​]) |
| ​for​ ​i​ ​in​ ​range​(​2​,​m\_row​+​1​): |
| ​row\_name​=​ws​.cell(​row​=​i​,​column​=​1​).value |
| ​row\_Password​=​ws​.cell(​row​=​i​,​column​=​6​).value |
| ​row\_AccountNo​=​ws​.cell(​row​=​i​,​column​=​7​).value |
| ​row\_CustomerID​=​ws​.cell(​row​=​i​,​column​=​8​).value |
| ​row\_ATM\_No​=​ws​.cell(​row​=​i​,​column​=​9​).value |
| ​row\_Acc\_Open\_date​=​ws​.cell(​row​=​i​,​column​=​10​).value |
| ​if​ ​LFULLNAME​ == ​row\_name​ ​and​ ​LID​ == ​row\_CustomerID​ ​and |
| LAccountNo​ == ​row\_AccountNo​ ​and​ ​Password​ == ​row\_Password​: |
| ​ATM​= ​openpyxl​.​load\_workbook​(​'BOI ATM CARD.xlsx'​) |
| ​ATM\_sheet​=​ATM​.​active |
| ​ATM\_sheet​[​'B6'​]=​row\_ATM\_No |
| ​ATM\_sheet​[​'B8'​]=​LFULLNAME |
| ​ATM\_sheet​[​'D8'​]=​row\_Acc\_Open\_date |
| ​ATMNAME​=​f​'​{​row\_CustomerID​}​\_​{​LFULLNAME​}​\_BOI ATM CARD |
| (Main).xlsx' |
| ​ATM​.​save​(​ATMNAME​) |
| ​os​.​system​(​ATMNAME​) |
| ​Out​=​"Out" |

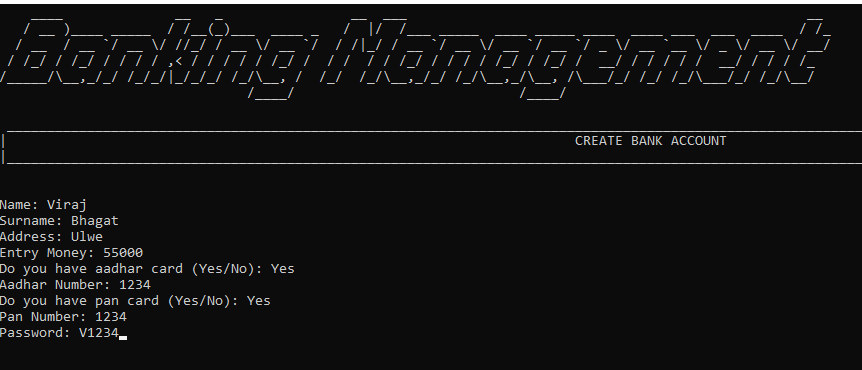
|  |
| --- |
| ​print​(​"Your ATM Have Been Created Please Check :)"​) |
| ​sleep​(​2​) |
| ​break |
| ​elif​ ​LFULLNAME​!=​row\_name​ ​and​ ​i​==​m\_row​: |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​print​(​"|​\t\t\t\t\t\t\t\t\t​ ERROR |
| |"​) |
|  |
| print​(​"|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|​\n\n​"​) |
| ​print​(​"Not Found!!!"​) |
| ​print​(​"Do you really make you bank account? "​) |
| ​print​(​" |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"​) |
| ​sleep​(​3​) |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​break |
| ​if​ ​Out​==​"Out"​: |
| ​os​.​system​(​"cls"​) |
| ​os​.​system​(​"cls"​) |
| ​break |
|  |
| ​elif​ ​Choice​==​4​: |
| ​print​(​"Wait 3 second for exit :)"​) |
| ​print​(​"Thanks For Coming Bank Management App :) ...."​) |
| ​print​(​"Bye Bye!!! :) ...."​) |
| ​quit​() |
| ​else​: |
| ​print​(​"Wrong choice please!!! ​\n​Please enter once again..."​) |
| ​sleep​(​2​) |
|  |
| ​input​() |
|  |

OUTPUT

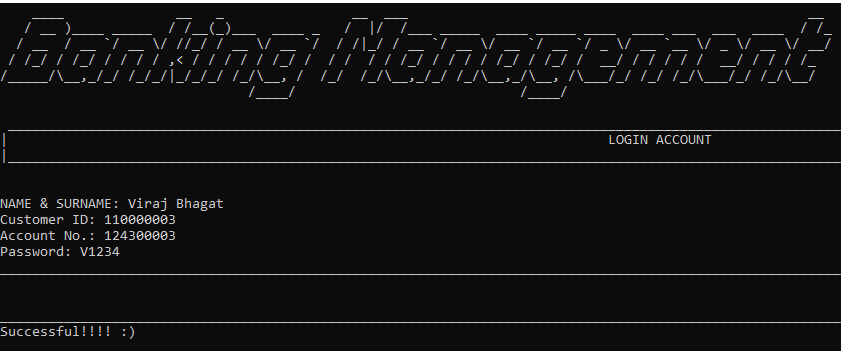
1. **Main Menu**

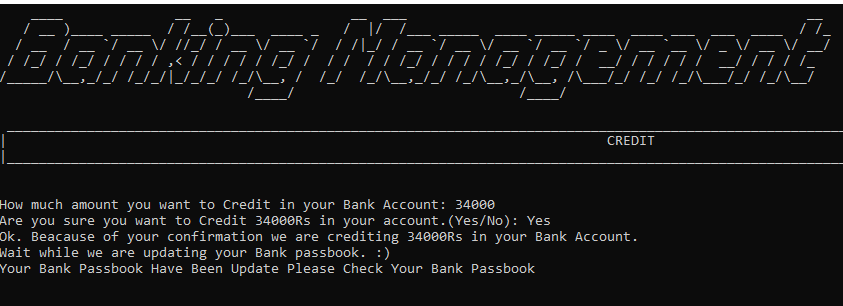


1. **Creating Account**

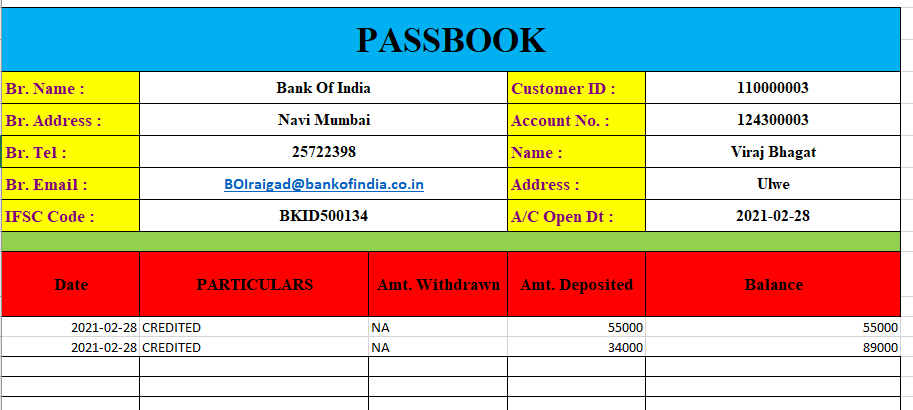


1. **Login Account**



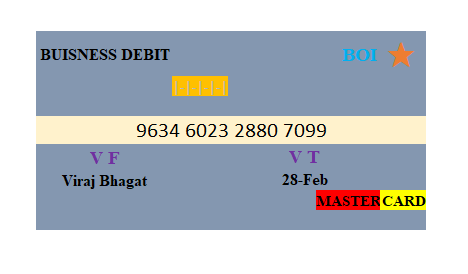
**4) After Logging Credit in Account**

**5) Passbook**



**6) Making ATM card**

**7) ATM card**

****