***Name – Aryan Sharma***

***Enrollment No – BT21GCS161***

***Dimensional and NoSQL Databases***

***Assignment 10***

*Activity - Banking schema with JSON document of each table and its data*

Table 1: Customer Table:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Cx Id*** | ***First Name*** | ***Last Name*** | ***DOB*** | ***Address*** | ***Phone No.*** | ***Acc\_No.*** |
| 01 | Aryan | Sharma | 19-01-2004 | Thane | 9960765259 | 1101 |
| 02 | Raja | Pandey | 31-04-2004 | Thane | 9974927482 | 1102 |
| 03 | Soham | Patil | 07-07-2003 | Delhi | 7321589395 | 1103 |
| 04 | Preksha | Sharma | 12-09-2003 | Pune | 9627362828 | 1104 |
| 05 | Niyati | Takawale | 21-01-2004 | Delhi | 7772837284 | 1105 |

*Json Code : Customer Table*

*----------------------------------------------------------------------------------------------------------------------------------*

*Customer [*

*{*

*"Cx Id": "01",*

*"First Name": "Aryan",*

*"Last Name": "Sharma",*

*"DOB": "19-01-2004",*

*"Address": "Thane",*

*"Phone No.": "9960765259",*

*"Acc\_No.": "1101"*

*},*

*{*

*"Cx Id": "02",*

*"First Name": "Raja",*

*"Last Name": "Pandey",*

*"DOB": "31-04-2004",*

*"Address": "Thane",*

*"Phone No.": "9974927482",*

*"Acc\_No.": "1102"*

*},*

*{*

*"Cx Id": "03",*

*"First Name": "Soham",*

*"Last Name": "Patil",*

*"DOB": "07-07-2003",*

*"Address": "Delhi",*

*"Phone No.": "7321589395",*

*"Acc\_No.": "1103"*

*},*

*{*

*"Cx Id": "04",*

*"First Name": "Preksha",*

*"Last Name": "Sharma",*

*"DOB": "12-09-2003",*

*"Address": "Pune",*

*"Phone No.": "9627362828",*

*"Acc\_No.": "1104"*

*},*

*{*

*"Cx Id": "05",*

*"First Name": "Niyati",*

*"Last Name": "Takawale",*

*"DOB": "21-01-2004",*

*"Address": "Delhi",*

*"Phone No.": "7772837284",*

*"Acc\_No.": "1105"*

*}*

*]*

*Table 2: Account Table*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Account No*** | ***Customer ID*** | ***Account Type*** | ***Balance*** |
| 1101 | 01 | Saving Account | 5200 |
| 1102 | 02 | Current Account | 2500 |
| 1103 | 03 | Saving Account | 5000 |
| 1104 | 04 | Loan Account | 10000 |
| 1105 | 05 | Current Account | 15000 |

*Json Code: Account Table*

*----------------------------------------------------------------------------------------------------------------------------------*

*Account [*

*{*

*"Account No": "1101",*

*"Customer ID": "01",*

*"Account Type": "Saving Account",*

*"Balance": “5200”*

*},*

*{*

*"Account No": "1102",*

*"Customer ID": "02",*

*"Account Type": "Current Account",*

*"Balance": “2500”*

*},*

*{*

*"Account No": "1103",*

*"Customer ID": "03",*

*"Account Type": "Saving Account",*

*"Balance": “5000”*

*},*

*{*

*"Account No": "1104",*

*"Customer ID": "04",*

*"Account Type": "Loan Account",*

*"Balance": “10000”*

*},*

*{*

*"Account No": "1105",*

*"Customer ID": "05",*

*"Account Type": "Current Account",*

*"Balance": “15000”*

*}*

*]*

*Table 3: Transaction Table*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Acc\_No.** | **Date** | **Detail** | **Debit** | **Credit** | **Balance** |
| 1101 | 2023-10-19 | Withdrawn | 200 | ------- | 5000 |
| 1102 | 2023-10-20 | Transfer | ------- | 1000 | 3500 |
| 1103 | 2023-10-21 | ATMCard AMC | 150.50 | ------- | 4849.5 |
| 1104 | 2023-10-22 | Transfer | 100 | ------- | 9,900 |
| 1105 | 2023-10-22 | Transfer | ------- | 200 | 15,200 |

*Json Code: Transaction Table*

*----------------------------------------------------------------------------------------------------------------------------------*

*Transaction [*

*{*

*"Acc\_No.": "1101",*

*"Date": "2023-10-19",*

*"Detail": "Withdrawn",*

*"Debit": “200”,*

*"Credit": “0”,*

*"Balance": “5000”*

*},*

*{*

*"Acc\_No.": "1102",*

*"Date": "2023-10-20",*

*"Detail": "Transfer",*

*"Debit": “0”,*

*"Credit": “1000”,*

*"Balance": “3500”*

*},*

*{*

*"Acc\_No.": "1103",*

*"Date": "2023-10-21",*

*"Detail": "ATMCARD AMC",*

*"Debit": “150.5”,*

*"Credit": “0”,*

*"Balance": “4849.5”*

*},*

*{*

*"Acc\_No.": "1104",*

*"Date": "2023-10-22",*

*"Detail": "Transfer",*

*"Debit": “100”,*

*"Credit": “0”,*

*"Balance": “9900”*

*},*

*{*

*"Acc\_No.": "1105",*

*"Date": "2023-10-22",*

*"Detail": "Transfer",*

*"Debit": “0”,*

*"Credit": “200”,*

*"Balance": “15200”*

*}*

*]*