*Core Java*

* Overview of Java
* Implementing operators
* Use decision-making constructs and loop constructs
* Working with Array and Enums
* Process string using regular expressions
* Implementing OOPs features
* Implementing Exception Handling
* Inner classes and type casting
* Working with regular expressions and localisation
* Working with generics
* Implementing collection framework
* Working with streams
* Working with NIO classes and interfaces
* Designing a GUI based applications
* Event handling
* Implementing Multithreading
* Thread synchronization and concurrency
* Intro to JDBC
* Create data-centric applications using Advance features of JDBC

Major project in java

GUI based Banking Application System

Project Objective

This Bank Application System lets users create a new account, make cash deposits and withdrawals, access account information and delete account all through software without the need of going personally to a bank.

This Bank Application System project has been designed in Java and various actions have different panels. It keeps logs of all the transactions made whether it is withdrawal or deposit of cash. One can create a new account and even delete an existing one. This gives user the facility to work in one’s own comfort and at a time convenient for them. It is secure and user-friendly.

## ****Bank Application System Modules****

1. **New Account Module:**– This module lets users add a new account by providing name, address and age.
2. **Deposit module:**– This module has been designed to assist the users in depositing money. It takes as input account number, type, date and amount.
3. **Display module:**– This module provides account information, balance, withdrawal and deposit information. It has four sub-modules:
   1. **AccountInfo module:**– This displays the information of the account whose number has been entered into the given field
   2. **BalanceInfo module:**– This displays the current balance in the queried account
   3. **DepositInfo module:**– This shows the logs of the deposits which have been made into the account.
   4. **WithdrawalInfo module:**– This module shows the logs of the withdrawals that have been made from the account.
4. **Withdrawal module:**– This module has been designed to assist the users in withdrawing money. It takes as input account number, type, date and amount.
5. **Delete Account module:**– This lets user to delete an existing account.