

## PROJECT

Create a software on cryptocurrency account details. Account holder maybe anyone including all employees of the system and it is mandatory to open the account for their employees whose account maintain more than 794 days only those customer can take the loan credit card and so on .Whose account is maintain more than 3.5 years only those customer care business loan rupees 10 crores. Java code

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**COURSE: OOPS(JAVA)**

**MCA 2<sup>ND</sup> SEMESTER, 1<sup>ST</sup> YEAR**

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**Code1:**

```
import java.io.*;
import java.util.*;

class Account {
    String name;
    int accountNumber;
    int balance;
    int days;

    Account(String name, int accountNumber, int balance, int days) {
        this.name = name;
        this.accountNumber = accountNumber;
        this.balance = balance;
        this.days = days;
    }

    public String toString() {
        return "Name: " + name + ", Account Number: " + accountNumber + ",
Balance: " + balance + ", Days: " + days;
    }
}
```

```
}
```

```
public class CryptocurrencyAccountDetails {  
    public static void main(String[] args) throws IOException {  
        BufferedReader br = new BufferedReader(new  
InputStreamReader(System.in));  
        ArrayList<Account> accounts = new ArrayList<Account>();  
        String name;  
        int accountNumber;  
        int balance;  
        int days;  
  
        System.out.println("Enter number of accounts:");  
        int n = Integer.parseInt(br.readLine());  
  
        for (int i = 0; i < n; i++) {  
            System.out.println("Enter name:");  
            name = br.readLine();  
  
            System.out.println("Enter account number:");  
            accountNumber = Integer.parseInt(br.readLine());  
  
            System.out.println("Enter balance:");  
            balance = Integer.parseInt(br.readLine());  
  
            System.out.println("Enter days:");  
            days = Integer.parseInt(br.readLine());  
  
            Account acc = new Account(name, accountNumber, balance, days);  
            accounts.add(acc);  
        }  
  
        System.out.println("\nAccounts with more than 794 days:");  
        accounts.stream().filter(acc -> acc.days >  
794).forEach(System.out::println);  
  
        System.out.println("\nAccounts with more than 3.5 years:");
```

```

        accounts.stream().filter(acc -> acc.days >
1277).forEach(System.out::println);

    }
}

```

```

444
Enter balance:
100000
Enter days:
1234
Enter name:
Koya
Enter account number:
555
Enter balance:
45687
Enter days:
456

Accounts with more than 794 days:
Name: San, Account Number: 111, Balance: 85000005, Days: 987
Name: Govind, Account Number: 222, Balance: 4567985, Days: 3568
Name: joe, Account Number: 444, Balance: 100000, Days: 1234

Accounts with more than 3.5 years:
Name: Govind, Account Number: 222, Balance: 4567985, Days: 3568
PS C:\Users\RAMAVATH SANTHOSH\OneDrive\Desktop\ALL SEMs\SEM2\OOPS JAVA\JavaCodes\STREAM>

```

## Code2:

```

import java.util.*;

public class Main {
    public static void main(String[] args) {
        // Create a list of accounts
        List<Account> accounts = new ArrayList<Account>();
    }
}

```

```

// Add some accounts
accounts.add(new Account("Alice", 794));
accounts.add(new Account("Bob", 1000));
accounts.add(new Account("Charlie", 1500));

// Print all accounts
for (Account account : accounts) {
    System.out.println(account);
}

// Filter accounts by account maintain more than 794 days
List<Account> filteredAccounts = accounts.stream().filter(account -> account.getDays() >
794).toList();

// Print filtered accounts
System.out.println("Filtered Accounts:");
for (Account account : filteredAccounts) {
    System.out.println(account);
}

// Filter accounts by account maintain more than 3.5 years
List<Account> businessLoanAccounts = accounts.stream().filter(account ->
account.getDays() > 1277).toList();

// Print business loan accounts
System.out.println("Business Loan Accounts:");
for (Account account : businessLoanAccounts) {
    System.out.println(account);
}
}

class Account {
    private String name;
    private int days;

    public Account(String name, int days) {
        this.name = name;
        this.days = days;
    }

    public String getName() {
        return name;
    }
}

```

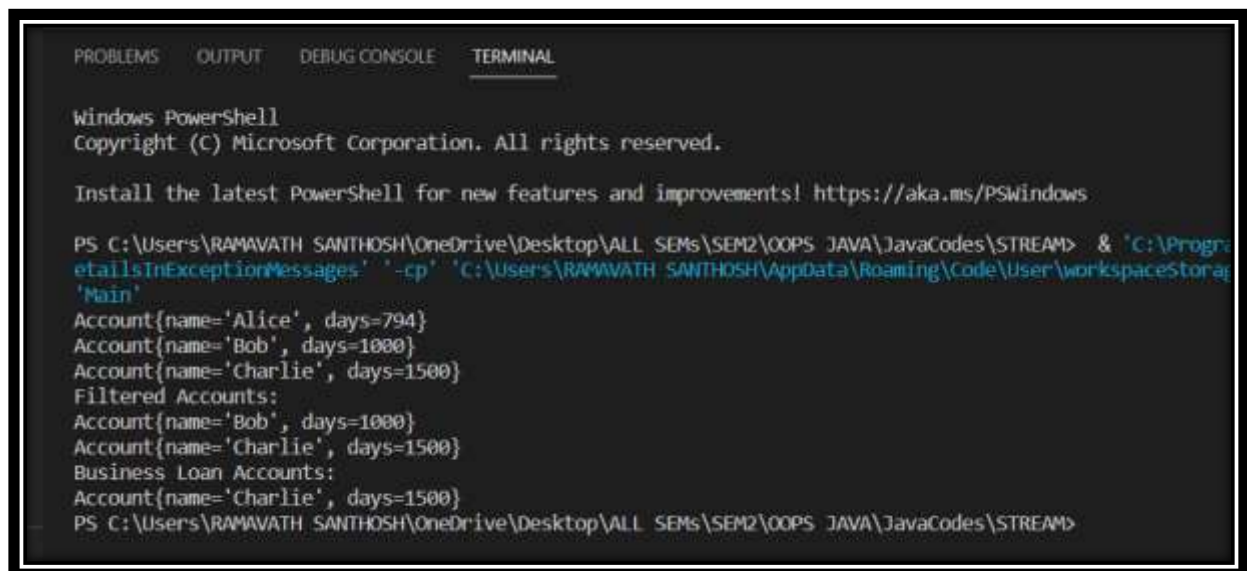
```

    }

    public int getDays() {
        return days;
    }

    @Override
    public String toString() {
        return "Account{" +
            "name='" + name + '\'' +
            ", days=" + days +
            '}';
    }
}

```



```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\RAMAVATH SANTHOSH\OneDrive\Desktop\ALL SEMs\SEM2\OOPS JAVA\JavaCodes\STREAM> & 'C:\Program Files\Java\jdk-11.0.10\bin\java.exe' -cp 'C:\Users\RAMAVATH SANTHOSH\AppData\Roaming\Code\User\workspaceStorage\1\workspace\src\Main' 'Main'
Account{name='Alice', days=794}
Account{name='Bob', days=1000}
Account{name='Charlie', days=1500}
Filtered Accounts:
Account{name='Bob', days=1000}
Account{name='Charlie', days=1500}
Business Loan Accounts:
Account{name='Charlie', days=1500}
PS C:\Users\RAMAVATH SANTHOSH\OneDrive\Desktop\ALL SEMs\SEM2\OOPS JAVA\JavaCodes\STREAM>

```