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1. 
```java
import java.util.Scanner;
public class Reverse
{

        public static void main(String[] args)

        {


         String str1 = "Amit";

         String d= "";


         for (int i = str1.length() - 1; i >= 0; --i) {

          d += str1.charAt(i);

         }



         char[] str=d.toCharArray();

         for(int i=0;i<d.length();i++)

           {

        if(i==0 || str[i-1]==' ')

           {

             str[i]=Character.toUpperCase(str[i]);

           }

          else if(str[i]==' ' || str[i]=='\0')

             str[i-1]=Character.toUpperCase(str[i-1]);

           }
```

```
        System.out.print("After Converting String is: ");

        for(int i=0;i<d.length();i++)

        System.out.print(str[i]);

                }

        }
```

Output:

```
C:\Users\Lenovo\Desktop>javac Reverse.java

C:\Users\Lenovo\Desktop>java Reverse
After Converting String is: VaruaG
C:\Users\Lenovo\Desktop>
```

2.

```
import java.io.*;

import java.lang.*;

class LessBalanceException extends Exception

{

 LessBalanceException(double amt)

 {

 System.out.println("Withdrawing "+amt+" is invlaid");

 }

}

class Account
```

```java
{
static int count=0;

int accno;

double bal;

String name;

Account(double bal,String n,int accno)

{

System.out.println("\nNew Account opened....!!");

this.bal=bal;

count++;

System.out.println("Account Holder Name : " + n);

name=n;

System.out.println("Your Account Number is : "+accno);

this.accno=accno;

System.out.println("Total number of accounts : "+count);


}
void deposit(double amt)

{

System.out.println("Availabe Balance : "+bal);

bal=bal+amt;

System.out.println("Rs. : "+amt+" /- Created");

System.out.println("Balance : "+bal);

}
void withdraw(double amt) throws LessBalanceException

{

System.out.println("\nAvailabe Balance : "+bal);

bal-=amt;

if(bal<500)
```

```java
        {
         bal+=amt;
         throw new LessBalanceException(amt);
        }
       System.out.println("Rs. : "+amt+ "/-Debited");
       System.out.println("Balacne : "+bal);
      }
     void balance()
     {
      System.out.println("\n**************Customer information***************");
       System.out.println("=========================================");
       System.out.println("Customer Name : "+name);
       System.out.println("Account Number : "+accno);
       System.out.println("Balance : "+bal);
      }
     }
    class AccountDemo
    {
     static int i=0;
     public static void main(String argv[]) throws IOException
     {
      Account ob[]=new Account[10];
      BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
      double amt;
      String name;
      int ch,accno,k;
      boolean t=false;
      while(true)
      {
```

```java
System.out.println("\n******* Bank Transaction ********");
System.out.println("1.Open new Account\n2.Deposit");
System.out.println("3.Withdraw\n4.Balance\n5.Exit");
System.out.print("Enter your choice : ");
ch=Integer.parseInt(br.readLine());
switch(ch)
{
case 1:
System.out.println("Opening New Account : ");
System.out.print("Enter your name : ");
name=br.readLine();
System.out.print("\nEnter Account Number : ");
accno=Integer.parseInt(br.readLine());
System.out.print("\nEnter initial amount(to be >=500) : ");
amt=Double.parseDouble(br.readLine());
if(amt<500)
System.out.println("You cannot create an account with less than Rs.500/-");
else
{
 ob[i]=new Account(amt,name,accno);
 i++;
}
break;

case 2:
System.out.print("\nEnter Account number : ");
accno=Integer.parseInt(br.readLine());
for(k=0;k<i;k++)
if(accno==ob[k].accno)
```

```java
{
 t=true;
 break;
}

if(t)
{
 System.out.print("\nEnter the Amount for Deposit : ");
 amt=Double.parseDouble(br.readLine());
 ob[k].deposit(amt);
}
else
System.out.println("Invalid Account Number...!!!");
t=false;
break;

case 3:
System.out.print("\nEnter Account number : ");
accno=Integer.parseInt(br.readLine());
for(k=0;k<i;k++)
if(accno==ob[k].accno)
{
 t=true;
 break;
}

if(t)
{
 System.out.print("\nEnter the Amount for Withdraw : ");
```

```java
amt=Double.parseDouble(br.readLine());

try

{

 ob[k].withdraw(amt);

}

catch(LessBalanceException e)

{}

}

else

System.out.println("Invalid Account Number...!!!");

t=false;

break;


case 4:

System.out.print("\nEnter Account number : ");

accno=Integer.parseInt(br.readLine());

for(k=0;k<i;k++)

if(accno==ob[k].accno)

{

 t=true;

 break;

}


if(t)

{

//System.out.println(accno +" asdfsdf " +ob[k].accno);

 ob[k].balance();

}

else
```

```java
        System.out.println("Invalid Account Number...!!!");

        t=false;

        break;


        case 5:

        System.exit(1);

        default: System.out.println("Invalid Choice !!!");

    }

    }

    }

}
```

Output:



```
Command Prompt - java AccountDemo

****** Bank Transaction *********
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 1
Opening New Account :
Enter your name : kanchan

Enter Account Number : 9999

Enter initial amount(to be >=500) : 600

New Account opened....!!
Account Holder Name : kanchan
Your Account Number is : 9999
Total number of accounts : 1

****** Bank Transaction *********
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 2

Enter Account number : 9999

Enter the Amount for Deposit : 100
Availabe Balance : 600.0
Rs. : 100.0 /- Created
Balance : 700.0

****** Bank Transaction *********
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 3

Enter Account number : 9999
```

```
Rs. : 100.0 /- Created
Balance : 700.0

******* Bank Transaction *********
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 3

Enter Account number : 9999

Enter the Amount for Withdraw : 300

Availabe Balance : 700.0
Withdrawing 300.0 is invlaid

******* Bank Transaction *********
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 4

Enter Account number : 9999

***************Customer information****************
===========================================
Customer Name : kanchan
Account Number : 9999
Balance : 700.0

******* Bank Transaction *********
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice :
```