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class-Mca 2(c)
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Qus1

                            File name-ReverseString.java
/*Kamlesh Pandey
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*/
```java
import java.util.Scanner;
public class ReverseString
{

        public static void main(String[] args)
        {

         String str1 = "Kamlesh";
         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]);
                 }
```

```
        }
```

```
D:\>javac ReverseString.java

D:\>java ReverseString
After Converting String is: HselmaK
D:\>_
```

Qus2

                    Filename-AccountDemo.java

```
/*Kamlesh Pandey
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  campus-Haldwani
*/
import java.io.*;
import java.lang.*;
class LessBalanceException extends Exception
{
 LessBalanceException(double amt)
 {
 System.out.println("Withdrawing "+amt+" is Not vlaid");
 }
}
class Account
{
 static int count=0;
 int accno;
 double bal;
 String name;
```

```java
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)
 {
  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
```

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

  if(t)
```

```java
{
 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 : ");
 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;
```

```java
        }

    if(t)
    {
     //System.out.println(accno +" asdfsdf " +ob[k].accno);
      ob[k].balance();
    }
    else
    System.out.println("Invalid Account Number...!!!");
     t=false;
     break;

    case 5:
    System.exit(1);
    default: System.out.println("Invalid Choice !!!");
     }
   }
  }
}
```

```
D:\>javac AccountDemo.java

D:\>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 : Kamlesh

Enter Account Number : 600

Enter initial amount(to be >=500) : 1000

New Account opened....!!
Account Holder Name : Kamlesh
Your Account Number is : 600
Total number of accounts : 1

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

Enter Account number : 600

Enter the Amount for Withdraw : 700

Availabe Balance : 1000.0
Withdrawing 700.0 is Not vlaid

*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
```

```
3.Withdraw
4.Balance
5.Exit
Enter your choice : 3

Enter Account number : 600

Enter the Amount for Withdraw : 700

Availabe Balance : 1000.0
Withdrawing 700.0 is Not vlaid

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