**JAVA LAB:**

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**Ex.No 4: Demonstrate a program for method overloading. Consider the different types of transaction modes used for transferring money. (Credit card, Debit card, Net banking etc).**

**program:**

import java.util.\*;

class transaction

{

int accno\_u1,accno\_u2,amount;

Scanner sc=new Scanner(System.in);

void get()

{

System.out.println("Enter the Account no.1 and Account no.2:");

accno\_u1=sc.nextInt();

accno\_u2=sc.nextInt();

amount=sc.nextInt();

}

public static void main(String args[])

{

transaction t=new transaction();

t.get();

System.out.println("Enter your transaction method:");

System.out.println("1.Credit card \t 2.Debit card \t 3.Netbanking");

int c=sc.nextInt();

switch(c)

{

case 1:

System.out.println("Enter the card no:");

long cn=sc.nextLong();

System.out.println("Enter the validity date:");

int vy=sc.nextInt();

System.out.println("Enter the pin no.:");

int pin=sc.nextInt();

t.fund(cn,vy,pin);

break;

case 2:

System.out.println("Enter the card no:");

long dn=sc.nextLong();

System.out.println("Enter the card holder name:");

String name=sc.nextLine();

t.fund(dn,name);

break;

case 3:

System.out.println("Enter the username:");

String uname=sc.nextLine();

System.out.println("Enter the password:");

String pass=sc.nextLine();

t.fund(uname,pass);

break;

default:

System.out.println("enter the method to transfer");

break;

}

}

int fund(long c,int v,int p)

{

String s1=""+l1;

int a=s1.length();

if(a==16)

{

return(1);

if(v.length==4)

{

return(1);

if(p.length==4)

{

System.out.println("Transaction is done");

}

else

{

System.out.println("Error is occured");

}

}

else

{

System.out.println("Error is occured");

}

}

else

{

System.out.println("Error is occured");

}

}

int fund(long d,String n)

{

String s1=""+d;

int a=s1.length();

if(a==16)

{

return(1);

if(n!='\0' && n.length>3)

{

System.out.println("Enter the pin number:");

int pi=sc.nextInt();

System.out.println("your transactionis done");

}

else

{

System.out.println("Error in your transaction");

}

}

else

{

System.out.println("Error in your transaction");

}

}

void fund(String n1,String pa)

{

if((n1=='gayathri')&& (pa=='gayathripass'))

{

System.out.println("Enter pin no.:");

int i=sc.nextInt();

if(i.length==4)

{

System.out.println("Enter OTP:");

int otp=sc.nextInt();

if(otp.length==4)

{

System.out.println("Transaction is done");

}

else

{

System.out.println("Error");

}

}

else

{

System.out.println("Error");

}

}

else

{

System.out.println("Error");

}

}

}