

MID TERM PRACTICAL

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```
1. class reversestring1{
    public static void main(String[] argss){

        String input = "pandey";
        String output = "";
        char c1 = input.charAt(0);
        char c2 = input.charAt(input.length()-1);
        output = "" + String.valueOf(c1).toUpperCase();
        int length = input.length()-2;
        while(length>0){
            output = output + String.valueOf(input.charAt(length));
            length--;
        }
        output = output + String.valueOf(c2).toUpperCase();

        System.out.println("Input: " + input);

        System.out.println("Output: " + output);
    }
}
```

```
2. import java.io.*;

import java.lang.*;

class LessBalanceException extends Exception
{
    LessBalanceException(double amt)
    {
        System.out.println("Withdrawing "+amt+" is invlaid");
    }
}

class Account
```

```
{  
  
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)
    {
        bal+=amt;

        throw new LessBalanceException(amt);
    }

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

    System.out.println("Balacne : "+bal);
}

void balance()
{
    System.out.println("\nCustomer 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)

{

    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)

{

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;
```

```
}
```

```
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 !!!");
```

```
}
```

```
}
```

```
}
```

```
}
```