```
public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public String getPhone() {
    return phone;
}

public void setPhone(String phone) {
    this.phone = phone;
}

public String getAddres() {
    return addres;
}

public void setAddres(String addres) {
    this.addres = addres;
}
```

```
public class Client {
   private String id;
    private String name;
   private String phone;
    private String addres;
    public Client() {
    public Client(String id, String name, String phone, String addres) {
       this.id = id;
        this.name = name;
        this.phone = phone;
        this.addres = addres;
    public String getId() {
       return id;
   public void setId(String id) {
   this.id = id;
    public String getName() {
       return name;
    public void setName(String name) {
```

```
mport Domain.Client;
ublic abstract class Account {
  protected String acccountNumber;
protected double balance;
protected Client client;
  public Account() {
  public Account(String acccountNumber, double balance, Client client) {
       this.balance = balance;
this.client = client;
  public String getAcccountNumber() {
       return acccountNumber;
  public void setAcccountNumber(String acccountNumber) {
       this.acccountNumber = acccountNumber;
  public double getBalance() {
       return balance;
       this.balance = balance;
```

```
public double getBalance() {
   return balance;
public void setBalance(double balance) {
    this.balance = balance;
public Client getClient() {
    return client;
public void setClient(Client client) {
    this.client = client;
public abstract void deposit(double amount);
public abstract void withdraw(double amount);
public abstract double interestCalculation();
public String toString(){
String result="BANK ACCOUNT INFORMATION: "
         +"\n-----"
         +"\nAccount Number:"+ this.getAcccountNumber()
+"\nBalance: "+ this.getBalance()
+"\nAccount Owner:"+ this.getClient().toString();
return result;
```

Account class abstract

```
ckage Logic;
mport Domain.Client;
ublic class CurrentAccount extends Account {
   private float interest;
   public CurrentAccount(float interest, String acccountNumber, double balance, Client client) {
    super(acccountNumber, balance, client);
    this.interest = interest;
   public float getInterest() {
   return interest;
   public void setInterest(float interest) {
   this.interest = interest;
   @Override
public void deposit(double amount) {
   super.setBalance(getBalance()+amount);
   @Override
public void withdraw(double amount) {
   super.setBalance(interestCalculation()-amount);
   @override
.nublic double interestCalculation() {
     ublic double interested.

double interestFinal=0;
interestFinal=(super.getBalance()
*this.interest)
      return interestFinal;
   }
| public string tostring() {
| string result="Anaccount_type:..CURRENT_accounts"
               +"\nInterest: "+this.getInterest()+"%"
+"\nInterest you got: "
               +this.interestCalculation()
+" \nBalance + Interests gained: "+(this.interestCalculation()+this.getBalance());
    return super.toString()+result;
}
```

Current Account class

```
ackage Logic;
import java.util.Date;
oublic class Log {
private int eventId;
private String event;
private Date date;
private Account account;
private double movement;
     public Account getAccount() {
    return account;
    public void setAccount(Account account) {
    this.account = account;
}
 :his.eventId=++ consecutive;
     public Log(int eventId, String event, Account account, double movement) {
         this();
this.eventId = eventId;
this.event = event;
this.date = date;
this.account = account;
this.movement = movement;
    public int getEventId() {
    return eventId;
}
     public void setEventId(int eventId) {
    this.eventId = eventId;
}
    public String getEvent() {
    return event;
}
     public void setEvent(String event) {
```

Class LOG

```
:lass SavingAccount extends Account {
//Atributes
private String starDate;
private int monthsNumber;
private float interest;
 public SavingAccount(String starDate, int monthsNumber, float interest) {
   this.starDate = starDate;
   this.monthsNumber = monthsNumber;
   this.interest = interest;
public String getStarDate() {
    return starDate;
public void setStarDate(String starDate) {
   this.starDate = starDate;
public int getMonthsNumber() {
    return monthsNumber;
}
public void setMonthsNumber(int monthsNumber) {
    this.monthsNumber = monthsNumber;
}
public float getInterest() {
    return interest;
}
public void setInterest(float interest) {
   this.interest = interest;
@Override
public void deposit(double amount) {
//super.setBalance(interestCalculation()+amount);
super.setBalance(getBalance()+amount);
```

SavingAccount Class

```
/**

*
    @author wtfan

*/
public class Main {
    public static void main(String[] args) {
        LogTesting logTest=new LogTesting();
        logTest.test();
    }
}
```

Main class

```
LOG INFORMATION
Eevent ID: 1
Eevent TYPE: saving Amount
Movement Amount: 70000.0
Afeccted Account: BANK ACCOUNT INFORMATION:
Account Number:14560
Balance: 1000.0
Account Owner:Client Information
Name: joaquin
Name: 1234423
Name: limon
ACCOUNT TYPE: SAVING ACCOUNTS
Saving Star Date: 2024-03-15
Interest: 5.0%
Interest you got: 500.0
Star Date + Interests gained: 1500.0
LOG INFORMATION
Eevent TYPE: saving Amount
Movement Amount: 7000.0
Afeccted Account: BANK ACCOUNT INFORMATION:
Account Number:13560
Balance: 1000.0
Account Owner:Client Information
Id: 1-332-5434
Name: moin
ACCOUNT TYPE: SAVING ACCOUNTS
```

```
Saving Star Date: 2023-01-12
Months: 10
Interest: 10.0%
Interest you got: 1000.0
Star Date + Interests gained: 2000.0
LOG INFORMATION
Eevent ID: 2
Eevent TYPE: saving Amount
Movement Amount: 7000.0
Afeccted Account: BANK ACCOUNT INFORMATION:
Account Number: 232434
Balance: 500.0
Account Owner:Client Information
Id: 1-65656-7668
Name: andres
Name: 6788889
Name: limon
ACCOUNT TYPE: CURRENT ACCOUNTS
Interest: 5.0%
Interest you got: 208.33333333333334
Balance + Interests gained: 708.3333333333334
BUILD SUCCESSFUL (total time: 0 seconds)
```

Output data

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