

```
CREATE DATABASE myBank;  
USE myBank;
```

```
CREATE TABLE branch
(
  bid VARCHAR(6),
  bname VARCHAR(30),
  bcity VARCHAR(30),
  CONSTRAINT branch_bid_pk PRIMARY KEY(bid)
);
```

#### Master Data Insertion

| <b>bid</b> | <b>bname</b>  | <b>bcity</b> |
|------------|---------------|--------------|
| b00001     | chennai north | chennai      |
| b00002     | chennai south | chennai      |
| b00003     | chennai east  | chennai      |
| b00004     | chennai west  | chennai      |
| b00005     | madurai east  | madurai      |
| b00006     | saalem west   | saalem       |
| b00007     | palani east   | palani       |
| b00008     | dindigul      | dindigul     |
| b00009     | ramnad        | ramnad       |
| b00010     | kanchipuram   | kanchipuram  |

```
insert into branch values ('b00001','chennai north','chennai');
insert into branch values ('b00002','chennai south','chennai');
insert into branch values ('b00003','chennai east','chennai');
insert into branch values ('b00004','chennai west','chennai');
insert into branch values ('b00005','madurai east','madurai');
insert into branch values ('b00006','salem west','salem');
insert into branch values ('b00007','palani east','palani');
insert into branch values ('b00008','dindigul','dindigul');
insert into branch values ('b00009','ramnad','ramnad');
insert into branch values ('b00010','kanchipuram','kanchipuram');
```

```
insert into branch values ('b00001','chennai north','chennai');
insert into branch values ('b00002','chennai south','chennai');
insert into branch values ('b00003','chennai east','chennai');
insert into branch values ('b00004','chennai west','chennai');
insert into branch values ('b00005','madurai east','madurai');
insert into branch values ('b00006','salem west','salem');
insert into branch values ('b00007','palani east','palani');
insert into branch values ('b00008','dindigul','dindigul');
insert into branch values ('b00009','ramnad','ramnad');
insert into branch values ('b00010','kanchipuram','kanchipuram');
```

```

CREATE TABLE customer
(
    custid VARCHAR(10),
    fname VARCHAR(30),
    lname VARCHAR(30),
    city VARCHAR(15),
    mobileno VARCHAR(10),
    occupation VARCHAR(10),
    dob DATE,
    CONSTRAINT customer_custid_pk PRIMARY KEY(custid)
);

```

### Master Data Insertion

| custid     | fname           | lname      | city         | mobileno   | occupation | dob        |
|------------|-----------------|------------|--------------|------------|------------|------------|
| c000000001 | swaminathan     | krishnan   | chennai      | 6543212345 | private    | 1995-01-01 |
| c000000002 | ramesh          | sridhar    | chennai      | 6543212346 | private    | 1995-01-02 |
| c000000003 | logeshkumar     | narayanan  | chennai      | 6543212347 | private    | 2000-05-31 |
| c000000004 | hariharan       | murthy     | saalem       | 6543212348 | private    | 1995-01-04 |
| c000000005 | ganesh          | sundaram   | palani       | 6543212349 | private    | 1996-01-05 |
| c000000006 | lakshmi         | srinivasan | palani       | 6543212350 | homemaker  | 1995-01-06 |
| c000000007 | gomathy         | krishnan   | saalem       | 6543212351 | homemaker  | 1995-01-07 |
| c000000008 | joseph          | thomas     | dindigul     | 6543212352 | private    | 1995-01-08 |
| c000000009 | liju            | thomas     | madurai      | 6543212353 | private    | 1995-01-09 |
| c000000010 | sathiskumar     | ds         | madurai      | 6543212354 | private    | 1995-01-10 |
| c000000011 | sambasivam      | gurumurthy | madurai      | 6543212355 | private    | 1995-01-11 |
| c000000012 | john            | boby       | madurai      | 6543212356 | private    | 1995-01-12 |
| c000000013 | sathyanarayanan | krishnan   | madurai      | 6543212357 | private    | 1998-01-04 |
| c000000014 | narayanan       | krishnan   | madurai      | 6543212358 | private    | 1998-01-05 |
| c000000015 | padmavathy      | narayanan  | madurai      | 6543212359 | teacher    | 1973-03-08 |
| c000000016 | saividhya       | narayanan  | madurai      | 6543212360 | private    | 2001-03-10 |
| c000000017 | Harichandran    | S          | Thirunelveli | 6543212361 | private    | 2001-04-11 |
| c000000018 | Harichopra      | v          | Thirunelveli | 6543212362 | government | 2001-05-12 |
| c000000019 | Arun            | S          | Erode        | 6543212363 | government | 2001-03-13 |
| c000000020 | Aadhi           | Narayanan  | Porur        | 6543212364 | government | 2004-07-07 |
| c000000021 | Akash           | b          | Porur        | 6543212365 | government | 2004-07-08 |
| c000000022 | Venkat          | g          | Delhi        | 6543212366 | government | 2004-07-09 |
| c000000023 | sandhya         | s          | Mumbai       | 6543212367 | government | 2004-07-10 |
| c000000024 | Divya           | M          | Bangalore    | 6543212368 | government | 2004-07-11 |
| c000000025 | karim           | R          | Pune         | 6543212369 | government | 1996-09-25 |
| c000000026 | Surya           | v          | pune         | 6543212370 | private    | 1996-09-26 |
| c000000027 | vijay           | f          | kolkata      | 6543212371 | private    | 1996-09-27 |
| c000000028 | sanjay          | g          | kerala       | 6543212372 | private    | 1996-09-28 |
| c000000029 | Vikram          | r          | chennai      | 6543212373 | private    | 1996-09-29 |
| c000000030 | Vasu            | krishnan   | Jaipur       | 6543212374 | private    | 1996-09-30 |
| c000000031 | Vivek           | B          | agra         | 6543212375 | private    | 1995-05-06 |
| c000000032 | Vadivelu        | c          | chennai      | 6543212376 | private    | 1995-05-07 |

|            |          |           |           |                    |            |
|------------|----------|-----------|-----------|--------------------|------------|
| c000000033 | Sundar   | a         | Hyderabad | 6543212377 private | 1995-05-08 |
| c000000034 | sakshi   | M         | Nagpur    | 6543212378 private | 1999-11-09 |
| c000000035 | Sumathra | v         | New Delhi | 6543212379 private | 1999-11-10 |
| c000000036 | siva     | nambuthri | palani    | 6543212380 private | 1999-11-11 |





insert into customer values ('c000000001','swaminathan','krishnan','chennai','6543212345','private','1995-01-01');  
insert into customer values ('c000000002','ramesh','sridhar','chennai','6543212346','private','1995-01-02');  
insert into customer values ('c000000003','logeshkumar','narayanan','chennai','6543212347','private','2000-05-31');  
insert into customer values ('c000000004','hariharan','murthy','salem','6543212348','private','1995-01-04');  
insert into customer values ('c000000005','ganesh','sundaram','palani','6543212349','private','1996-01-05');  
insert into customer values ('c000000006','lakshmi','srinivasan','palani','6543212350','homemaker','1995-01-06');  
insert into customer values ('c000000007','gomathy','krishnan','salem','6543212351','homemaker','1995-01-07');  
insert into customer values ('c000000008','joseph','thomas','dindigul','6543212352','private','1995-01-08');  
insert into customer values ('c000000009','liju','thomas','madurai','6543212353','private','1995-01-09');  
insert into customer values ('c000000010','sathiskumar','ds','madurai','6543212354','private','1995-01-10');  
insert into customer values ('c000000011','sambasivam','gurumurthy','madurai','6543212355','private','1995-01-11');  
insert into customer values ('c000000012','john','boby','madurai','6543212356','private','1995-01-12');  
insert into customer values ('c000000013','sathyanarayanan','krishnan','madurai','6543212357','private','1998-01-01');  
insert into customer values ('c000000014','narayanan','krishnan','madurai','6543212358','private','1998-01-05');  
insert into customer values ('c000000015','padmavathy','narayanan','madurai','6543212359','teacher','1973-03-08');  
insert into customer values ('c000000016','saividhya','narayanan','madurai','6543212360','private','2001-03-10');  
insert into customer values ('c000000017','Harichandran','S','Thirunelveli','6543212361','private','2001-04-11');  
insert into customer values ('c000000018','Harichopra','v','Thirunelveli','6543212362','government','2001-05-12');  
insert into customer values ('c000000019','Arun','S','Erode','6543212363','government','2001-03-13');  
insert into customer values ('c000000020','Aadhi','Narayanan','Porur','6543212364','government','2004-07-07');  
insert into customer values ('c000000021','Akash','b','Porur','6543212365','government','2004-07-08');  
insert into customer values ('c000000022','Venkat','g','Delhi','6543212366','government','2004-07-09');  
insert into customer values ('c000000023','sandhya','s','Mumbai','6543212367','government','2004-07-10');  
insert into customer values ('c000000024','Divya','M','Bangalore','6543212368','government','2004-07-11');  
insert into customer values ('c000000025','karim','R','Pune','6543212369','government','1996-09-25');  
insert into customer values ('c000000026','Surya','v','pune','6543212370','private','1996-09-26');  
insert into customer values ('c000000027','vijay','f','kolkata','6543212371','private','1996-09-27');  
insert into customer values ('c000000028','sanjay','g','kerala','6543212372','private','1996-09-28');  
insert into customer values ('c000000029','Vikram','r','chennai','6543212373','private','1996-09-29');  
insert into customer values ('c000000030','Vasu','krishnan','Jaipur','6543212374','private','1996-09-30');  
insert into customer values ('c000000031','Vivek','B','agra','6543212375','private','1995-05-06');  
insert into customer values ('c000000032','Vadivelu','c','chennai','6543212376','private','1995-05-07');



insert into customer values ('c000000033','Sundar','a','Hyderabad','6543212377','private','1995-05-08');  
insert into customer values ('c000000034','sakshi','M','Nagpur','6543212378','private','1999-11-09');  
insert into customer values ('c000000035','Sumathra','v','New Delhi','6543212379','private','1999-11-10');  
insert into customer values ('c000000036','siva','nambuthri','palani','6543212380','private','1999-11-11');

insert into customer values ('c000000001','swaminathan','krishnan','chennai','6543212345','private','1995-01-01');  
insert into customer values ('c000000002','ramesh','sridhar','chennai','6543212346','private','1995-01-02');  
insert into customer values ('c000000003','logeshkumar','narayanan','chennai','6543212347','private','2000-05-31');  
insert into customer values ('c000000004','hariharan','murthy','salem','6543212348','private','1995-01-04');  
insert into customer values ('c000000005','ganesh','sundaram','palani','6543212349','private','1996-01-05');  
insert into customer values ('c000000006','lakshmi','srinivasan','palani','6543212350','homemaker','1995-01-06');  
insert into customer values ('c000000007','gomathy','krishnan','salem','6543212351','homemaker','1995-01-07');  
insert into customer values ('c000000008','joseph','thomas','dindigul','6543212352','private','1995-01-08');  
insert into customer values ('c000000009','liju','thomas','madurai','6543212353','private','1995-01-09');  
insert into customer values ('c000000010','sathiskumar','ds','madurai','6543212354','private','1995-01-10');  
insert into customer values ('c000000011','sambasivam','gurumurthy','madurai','6543212355','private','1995-01-11');  
insert into customer values ('c000000012','john','boby','madurai','6543212356','private','1995-01-12');  
insert into customer values ('c000000013','sathyanarayanan','krishnan','madurai','6543212357','private','1998-01-01');  
insert into customer values ('c000000014','narayanan','krishnan','madurai','6543212358','private','1998-01-05');  
insert into customer values ('c000000015','padmavathy','narayanan','madurai','6543212359','teacher','1973-03-08');  
insert into customer values ('c000000016','saividhya','narayanan','madurai','6543212360','private','2001-03-10');  
insert into customer values ('c000000017','Harichandran','S','Thirunelveli','6543212361','private','2001-04-11');  
insert into customer values ('c000000018','Harichopra','v','Thirunelveli','6543212362','government','2001-05-12');  
insert into customer values ('c000000019','Arun','S','Erode','6543212363','government','2001-03-13');  
insert into customer values ('c000000020','Aadhi','Narayanan','Porur','6543212364','government','2004-07-07');  
insert into customer values ('c000000021','Akash','b','Porur','6543212365','government','2004-07-08');  
insert into customer values ('c000000022','Venkat','g','Delhi','6543212366','government','2004-07-09');  
insert into customer values ('c000000023','sandhya','s','Mumbai','6543212367','government','2004-07-10');  
insert into customer values ('c000000024','Divya','M','Bangalore','6543212368','government','2004-07-11');  
insert into customer values ('c000000025','karim','R','Pune','6543212369','government','1996-09-25');  
insert into customer values ('c000000026','Surya','v','pune','6543212370','private','1996-09-26');  
insert into customer values ('c000000027','vijay','f','kolkata','6543212371','private','1996-09-27');  
insert into customer values ('c000000028','sanjay','g','kerala','6543212372','private','1996-09-28');  
insert into customer values ('c000000029','Vikram','r','chennai','6543212373','private','1996-09-29');  
insert into customer values ('c000000030','Vasu','krishnan','Jaipur','6543212374','private','1996-09-30');  
insert into customer values ('c000000031','Vivek','B','agra','6543212375','private','1995-05-06');  
insert into customer values ('c000000032','Vadivelu','c','chennai','6543212376','private','1995-05-07');  
insert into customer values ('c000000033','Sundar','a','Hyderabad','6543212377','private','1995-05-08');  
insert into customer values ('c000000034','sakshi','M','Nagpur','6543212378','private','1999-11-09');  
insert into customer values ('c000000035','Sumathra','v','New Delhi','6543212379','private','1999-11-10');  
insert into customer values ('c000000036','siva','nambuthri','palani','6543212380','private','1999-11-11');

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```

CREATE TABLE account
(
    acnumber VARCHAR(10),
    custid   VARCHAR(10),
    bid      VARCHAR(6),
    opening_balance decimal(15,2),
    aod DATE,
    atype VARCHAR(10),
    astatus VARCHAR(10),
    CONSTRAINT account_acnumber_pk PRIMARY KEY(acnumber),
    CONSTRAINT account_custid_fk FOREIGN KEY(custid) REFERENCES customer(custid),
    CONSTRAINT account_bid_fk FOREIGN KEY(bid) REFERENCES branch(bid)
);

```

### Master Data Insertion

| acnumber   | custid     | bid    | opening_balance | aod        | atype  | astatus  |
|------------|------------|--------|-----------------|------------|--------|----------|
| A000000001 | c000000001 | b00001 | 1000            | 2015-01-03 | saving | active   |
| A000000002 | c000000002 | b00001 | 1000            | 2015-01-04 | saving | active   |
| A000000003 | c000000003 | b00009 | 1000            | 2015-01-05 | saving | active   |
| A000000004 | c000000004 | b00009 | 1000            | 2015-01-06 | saving | active   |
| A000000005 | c000000005 | b00006 | 1000            | 2016-01-07 | saving | active   |
| A000000006 | c000000006 | b00002 | 1000            | 2016-01-08 | saving | active   |
| A000000007 | c000000007 | b00002 | 1000            | 2016-01-09 | saving | active   |
| A000000008 | c000000008 | b00004 | 1000            | 2016-01-10 | saving | active   |
| A000000009 | c000000009 | b00005 | 1000            | 2011-01-11 | saving | active   |
| A000000010 | c000000010 | b00003 | 1000            | 2011-01-12 | saving | active   |
| A000000011 | c000000011 | b00004 | 1000            | 2011-01-13 | saving | active   |
| A000000012 | c000000012 | b00004 | 1000            | 2011-01-14 | saving | active   |
| A000000013 | c000000013 | b00006 | 1000            | 2011-01-15 | saving | active   |
| A000000014 | c000000014 | b00007 | 1000            | 2011-01-16 | saving | active   |
| A000000015 | c000000015 | b00007 | 1000            | 2019-01-17 | saving | active   |
| A000000016 | c000000016 | b00010 | 1000            | 2019-01-18 | saving | active   |
| A000000017 | c000000017 | b00008 | 1000            | 2019-01-19 | saving | active   |
| A000000018 | c000000018 | b00008 | 1000            | 2019-01-20 | saving | inactive |
| A000000019 | c000000019 | b00008 | 1000            | 2019-01-21 | saving | inactive |
| A000000020 | c000000020 | b00008 | 1000            | 2015-05-18 | saving | inactive |
| A000000021 | c000000021 | b00008 | 1000            | 2015-05-19 | saving | inactive |
| A000000022 | c000000022 | b00010 | 1000            | 2015-05-20 | saving | inactive |
| A000000023 | c000000023 | b00010 | 1000            | 2015-05-21 | saving | inactive |
| A000000024 | c000000024 | b00004 | 1000            | 2015-05-22 | saving | inactive |
| A000000025 | c000000025 | b00004 | 1000            | 2015-05-23 | saving | inactive |
| A000000026 | c000000026 | b00010 | 1000            | 1998-01-28 | saving | active   |
| A000000027 | c000000027 | b00009 | 1000            | 1998-01-29 | saving | active   |
| A000000028 | c000000028 | b00005 | 1000            | 1998-01-30 | saving | active   |
| A000000029 | c000000029 | b00005 | 1000            | 2015-01-31 | saving | active   |
| A000000030 | c000000030 | b00005 | 1000            | 2018-04-10 | saving | active   |

|            |            |        |      |            |        |        |
|------------|------------|--------|------|------------|--------|--------|
| A000000031 | c000000031 | b00009 | 1000 | 2018-04-11 | saving | active |
| A000000032 | c000000032 | b00006 | 1000 | 2018-04-12 | saving | active |
| A000000033 | c000000033 | b00006 | 1000 | 2018-04-13 | saving | active |
| A000000034 | c000000034 | b00006 | 1000 | 2018-04-14 | saving | active |
| A000000035 | c000000035 | b00006 | 1000 | 2018-04-15 | saving | active |
| A000000036 | c000000036 | b00006 | 1000 | 2018-04-16 | saving | active |

insert into account values ('A000000001','c000000001','b00001',1000,'2015-01-03','saving','active');  
insert into account values ('A000000002','c000000002','b00001',1000,'2015-01-04','saving','active');  
insert into account values ('A000000003','c000000003','b00009',1000,'2015-01-05','saving','active');  
insert into account values ('A000000004','c000000004','b00009',1000,'2015-01-06','saving','active');  
insert into account values ('A000000005','c000000005','b00006',1000,'2016-01-07','saving','active');  
insert into account values ('A000000006','c000000006','b00002',1000,'2016-01-08','saving','active');  
insert into account values ('A000000007','c000000007','b00002',1000,'2016-01-09','saving','active');  
insert into account values ('A000000008','c000000008','b00004',1000,'2016-01-10','saving','active');  
insert into account values ('A000000009','c000000009','b00005',1000,'2011-01-11','saving','active');  
insert into account values ('A000000010','c000000010','b00003',1000,'2011-01-12','saving','active');  
insert into account values ('A000000011','c000000011','b00004',1000,'2011-01-13','saving','active');  
insert into account values ('A000000012','c000000012','b00004',1000,'2011-01-14','saving','active');  
insert into account values ('A000000013','c000000013','b00006',1000,'2011-01-15','saving','active');  
insert into account values ('A000000014','c000000014','b00007',1000,'2011-01-16','saving','active');  
insert into account values ('A000000015','c000000015','b00007',1000,'2019-01-17','saving','active');  
insert into account values ('A000000016','c000000016','b00010',1000,'2019-01-18','saving','active');  
insert into account values ('A000000017','c000000017','b00008',1000,'2019-01-19','saving','active');  
insert into account values ('A000000018','c000000018','b00008',1000,'2019-01-20','saving','inactive');  
insert into account values ('A000000019','c000000019','b00008',1000,'2019-01-21','saving','inactive');  
insert into account values ('A000000020','c000000020','b00008',1000,'2015-05-18','saving','inactive');  
insert into account values ('A000000021','c000000021','b00008',1000,'2015-05-19','saving','inactive');  
insert into account values ('A000000022','c000000022','b00010',1000,'2015-05-20','saving','inactive');  
insert into account values ('A000000023','c000000023','b00010',1000,'2015-05-21','saving','inactive');  
insert into account values ('A000000024','c000000024','b00004',1000,'2015-05-22','saving','inactive');  
insert into account values ('A000000025','c000000025','b00004',1000,'2015-05-23','saving','inactive');  
insert into account values ('A000000026','c000000026','b00010',1000,'1998-01-28','saving','active');  
insert into account values ('A000000027','c000000027','b00009',1000,'1998-01-29','saving','active');  
insert into account values ('A000000028','c000000028','b00005',1000,'1998-01-30','saving','active');  
insert into account values ('A000000029','c000000029','b00005',1000,'2015-01-31','saving','active');  
insert into account values ('A000000030','c000000030','b00005',1000,'2018-04-10','saving','active');



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```

CREATE TABLE trandetails
(
    tnumber VARCHAR(6),
    acnumber VARCHAR(10),
    dot DATE,
    medium_of_transaction VARCHAR(20),
    transaction_type VARCHAR(20),
    transaction_amount decimal(15,2),
    CONSTRAINT trandetails_tnumber_pk PRIMARY KEY(tnumber),
    CONSTRAINT trandetails_acnumber_fk FOREIGN KEY(acnumber) REFEREN
);

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### Transaction Data Insertion

| tnumber | acnumber   | dot        | medium_of_transaction | transaction_type |
|---------|------------|------------|-----------------------|------------------|
| t00001  | A000000001 | 2001-01-01 | cheque                | deposit          |
| t00002  | A000000002 | 2001-01-02 | cheque                | deposit          |
| t00003  | A000000003 | 2001-01-03 | cheque                | deposit          |
| t00004  | A000000004 | 2001-01-04 | cheque                | deposit          |
| t00005  | A000000005 | 2001-01-05 | cheque                | deposit          |
| t00006  | A000000006 | 2001-01-06 | cheque                | deposit          |
| t00007  | A000000007 | 2001-01-07 | cheque                | deposit          |
| t00008  | A000000008 | 2001-01-08 | cash                  | deposit          |
| t00009  | A000000009 | 2001-01-09 | cash                  | deposit          |
| t00010  | A000000010 | 2001-01-10 | cash                  | deposit          |
| t00011  | A000000011 | 2001-01-11 | cash                  | withdrawal       |
| t00012  | A000000012 | 2001-01-12 | cash                  | withdrawal       |
| t00013  | A000000013 | 2001-01-13 | cash                  | withdrawal       |
| t00014  | A000000014 | 2001-01-14 | cash                  | withdrawal       |
| t00015  | A000000015 | 2001-01-15 | cash                  | withdrawal       |
| t00016  | A000000016 | 2001-01-16 | cash                  | withdrawal       |
| t00017  | A000000017 | 2001-01-17 | cash                  | withdrawal       |
| t00018  | A000000018 | 2001-01-18 | cash                  | withdrawal       |
| t00019  | A000000019 | 2001-01-19 | cash                  | withdrawal       |
| t00020  | A000000020 | 2001-01-20 | cash                  | deposit          |
| t00021  | A000000021 | 2001-01-21 | cash                  | deposit          |
| t00022  | A000000022 | 2001-01-22 | cash                  | deposit          |
| t00023  | A000000023 | 2001-01-23 | cash                  | deposit          |
| t00024  | A000000024 | 2001-01-24 | cash                  | deposit          |
| t00025  | A000000025 | 2001-01-25 | cash                  | deposit          |
| t00026  | A000000026 | 2001-01-26 | cash                  | deposit          |
| t00027  | A000000027 | 2001-01-27 | cash                  | withdrawal       |
| t00028  | A000000028 | 2001-01-28 | cash                  | withdrawal       |
| t00029  | A000000029 | 2001-01-29 | cash                  | withdrawal       |
| t00030  | A000000030 | 2001-01-30 | cash                  | withdrawal       |
| t00031  | A000000031 | 2001-01-31 | cash                  | withdrawal       |
| t00032  | A000000032 | 2001-02-01 | cash                  | withdrawal       |

|        |            |            |        |            |
|--------|------------|------------|--------|------------|
| t00033 | A000000033 | 2001-02-02 | cash   | deposit    |
| t00034 | A000000034 | 2001-02-03 | cash   | deposit    |
| t00035 | A000000035 | 2001-02-04 | cash   | deposit    |
| t00036 | A000000036 | 2001-02-05 | cheque | deposit    |
| t00037 | A000000001 | 2002-03-01 | cheque | withdrawal |
| t00038 | A000000002 | 2002-03-02 | cheque | withdrawal |
| t00039 | A000000003 | 2002-03-03 | cheque | withdrawal |
| t00040 | A000000004 | 2002-03-04 | cheque | withdrawal |
| t00041 | A000000005 | 2002-03-05 | cheque | deposit    |
| t00042 | A000000006 | 2002-03-06 | cheque | deposit    |
| t00043 | A000000007 | 2002-03-07 | cheque | deposit    |
| t00044 | A000000008 | 2002-03-08 | cheque | deposit    |
| t00045 | A000000009 | 2002-03-09 | cheque | deposit    |
| t00046 | A000000010 | 2002-03-10 | cheque | deposit    |
| t00047 | A000000011 | 2002-03-11 | cash   | deposit    |
| t00048 | A000000012 | 2002-03-12 | cash   | withdrawal |
| t00049 | A000000013 | 2002-03-13 | cash   | withdrawal |
| t00050 | A000000014 | 2002-03-14 | cash   | withdrawal |
| t00051 | A000000015 | 2002-03-15 | cash   | withdrawal |
| t00052 | A000000016 | 2002-03-16 | cash   | withdrawal |
| t00053 | A000000017 | 2002-03-17 | cash   | withdrawal |
| t00054 | A000000018 | 2002-03-18 | cash   | deposit    |
| t00055 | A000000019 | 2002-03-19 | cash   | deposit    |
| t00056 | A000000020 | 2002-03-20 | cash   | deposit    |
| t00057 | A000000021 | 2002-03-21 | cash   | deposit    |
| t00058 | A000000022 | 2002-03-22 | cash   | deposit    |
| t00059 | A000000023 | 2002-03-23 | cash   | deposit    |
| t00060 | A000000024 | 2002-03-24 | cash   | deposit    |
| t00061 | A000000025 | 2002-03-25 | cash   | deposit    |
| t00062 | A000000026 | 2002-03-26 | cash   | deposit    |
| t00063 | A000000027 | 2002-03-27 | cheque | withdrawal |
| t00064 | A000000028 | 2002-03-28 | cheque | deposit    |
| t00065 | A000000029 | 2002-03-29 | cheque | deposit    |
| t00066 | A000000030 | 2002-03-30 | cheque | withdrawal |
| t00067 | A000000031 | 2002-03-31 | cheque | withdrawal |
| t00068 | A000000032 | 2003-04-01 | cheque | withdrawal |
| t00069 | A000000033 | 2003-04-02 | cheque | deposit    |
| t00070 | A000000034 | 2003-04-03 | cheque | deposit    |
| t00071 | A000000035 | 2003-04-04 | cheque | deposit    |
| t00072 | A000000036 | 2003-04-05 | cheque | deposit    |
| t00073 | A000000001 | 2004-03-01 | cheque | withdrawal |
| t00074 | A000000002 | 2004-03-02 | cheque | withdrawal |
| t00075 | A000000003 | 2004-03-03 | cash   | withdrawal |
| t00076 | A000000004 | 2004-03-04 | cash   | withdrawal |
| t00077 | A000000005 | 2004-03-05 | cash   | withdrawal |
| t00078 | A000000006 | 2004-03-06 | cheque | withdrawal |
| t00079 | A000000007 | 2004-03-07 | cheque | deposit    |

|        |            |            |        |            |
|--------|------------|------------|--------|------------|
| t00080 | A000000008 | 2004-03-08 | cheque | deposit    |
| t00081 | A000000009 | 2004-03-09 | cheque | deposit    |
| t00082 | A000000010 | 2004-03-10 | cheque | deposit    |
| t00083 | A000000011 | 2004-03-11 | cheque | deposit    |
| t00084 | A000000012 | 2005-03-01 | cheque | deposit    |
| t00085 | A000000013 | 2005-03-02 | cheque | deposit    |
| t00086 | A000000014 | 2005-03-03 | cheque | deposit    |
| t00087 | A000000015 | 2005-03-04 | cheque | deposit    |
| t00088 | A000000016 | 2005-03-05 | cheque | deposit    |
| t00089 | A000000017 | 2005-03-06 | cheque | deposit    |
| t00090 | A000000018 | 2005-03-07 | cheque | deposit    |
| t00091 | A000000019 | 2006-01-19 | cheque | withdrawal |
| t00092 | A000000020 | 2006-01-20 | cash   | withdrawal |
| t00093 | A000000021 | 2006-01-21 | cash   | withdrawal |
| t00094 | A000000022 | 2006-01-22 | cash   | withdrawal |
| t00095 | A000000023 | 2006-01-23 | cash   | withdrawal |
| t00096 | A000000024 | 2006-01-24 | cash   | withdrawal |
| t00097 | A000000025 | 2006-01-25 | cash   | withdrawal |
| t00098 | A000000026 | 2006-01-26 | cash   | deposit    |
| t00099 | A000000027 | 2006-01-27 | cash   | deposit    |
| t00100 | A000000028 | 2006-01-28 | cash   | deposit    |
| t00101 | A000000029 | 2006-01-29 | cash   | withdrawal |
| t00102 | A000000030 | 2006-01-30 | cash   | withdrawal |
| t00103 | A000000031 | 2006-01-31 | cash   | withdrawal |
| t00104 | A000000032 | 2017-01-03 | cash   | withdrawal |
| t00105 | A000000033 | 2017-01-04 | cash   | deposit    |
| t00106 | A000000034 | 2017-01-05 | cash   | deposit    |
| t00107 | A000000035 | 2017-01-06 | cash   | deposit    |
| t00108 | A000000036 | 2017-01-07 | cash   | deposit    |





ICES account(acnumber)

**transaction\_amount\_decimal**

12000.00  
111000.00  
12300.00  
10000.00  
1000.00  
2000.00  
5000.00  
3000.00  
1000.00  
10000.00  
5000.00  
10000.00  
20000.00  
20000.00  
20000.00  
10000.00  
20000.00  
3000.00  
20000.00  
20000.00  
25000.00  
20000.00  
20000.00  
20000.00  
14000.00  
20000.00  
20000.00  
20000.00  
20000.00  
20000.00  
20000.00  
12500.00

[illegible]

[illegible]







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insert into trandetails values('t00001','A000000001','2001-01-01','cheque','deposit',12000);
insert into trandetails values('t00002','A000000002','2001-01-02','cheque','deposit',111000);
insert into trandetails values('t00003','A000000003','2001-01-03','cheque','deposit',12300);
insert into trandetails values('t00004','A000000004','2001-01-04','cheque','deposit',10000);
insert into trandetails values('t00005','A000000005','2001-01-05','cheque','deposit',1000);
insert into trandetails values('t00006','A000000006','2001-01-06','cheque','deposit',2000);
insert into trandetails values('t00007','A000000007','2001-01-07','cheque','deposit',5000);
insert into trandetails values('t00008','A000000008','2001-01-08','cash','deposit',3000);
insert into trandetails values('t00009','A000000009','2001-01-09','cash','deposit',1000);
insert into trandetails values('t00010','A000000010','2001-01-10','cash','deposit',10000);
insert into trandetails values('t00011','A000000011','2001-01-11','cash','withdrawal',5000);
insert into trandetails values('t00012','A000000012','2001-01-12','cash','withdrawal',10000);
insert into trandetails values('t00013','A000000013','2001-01-13','cash','withdrawal',20000);
insert into trandetails values('t00014','A000000014','2001-01-14','cash','withdrawal',20000);
insert into trandetails values('t00015','A000000015','2001-01-15','cash','withdrawal',20000);
insert into trandetails values('t00016','A000000016','2001-01-16','cash','withdrawal',10000);
insert into trandetails values('t00017','A000000017','2001-01-17','cash','withdrawal',20000);
insert into trandetails values('t00018','A000000018','2001-01-18','cash','withdrawal',3000);
insert into trandetails values('t00019','A000000019','2001-01-19','cash','withdrawal',20000);
insert into trandetails values('t00020','A000000020','2001-01-20','cash','deposit',20000);
insert into trandetails values('t00021','A000000021','2001-01-21','cash','deposit',25000);
insert into trandetails values('t00022','A000000022','2001-01-22','cash','deposit',20000);
insert into trandetails values('t00023','A000000023','2001-01-23','cash','deposit',20000);
insert into trandetails values('t00024','A000000024','2001-01-24','cash','deposit',20000);
insert into trandetails values('t00025','A000000025','2001-01-25','cash','deposit',14000);
insert into trandetails values('t00026','A000000026','2001-01-26','cash','deposit',20000);
insert into trandetails values('t00027','A000000027','2001-01-27','cash','withdrawal',20000);
insert into trandetails values('t00028','A000000028','2001-01-28','cash','withdrawal',20000);
insert into trandetails values('t00029','A000000029','2001-01-29','cash','withdrawal',20000);
insert into trandetails values('t00030','A000000030','2001-01-30','cash','withdrawal',20000);
insert into trandetails values('t00031','A000000031','2001-01-31','cash','withdrawal',20000);
insert into trandetails values('t00032','A000000032','2001-02-01','cash','withdrawal',12500);
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insert into trandetails values('t00033','A000000033','2001-02-02','cash','deposit',20000);  
insert into trandetails values('t00034','A000000034','2001-02-03','cash','deposit',20000);  
insert into trandetails values('t00035','A000000035','2001-02-04','cash','deposit',20000);  
insert into trandetails values('t00036','A000000036','2001-02-05','cheque','deposit',20000);  
insert into trandetails values('t00037','A000000001','2002-03-01','cheque','withdrawal',20000);  
insert into trandetails values('t00038','A000000002','2002-03-02','cheque','withdrawal',20000);  
insert into trandetails values('t00039','A000000003','2002-03-03','cheque','withdrawal',20000);  
insert into trandetails values('t00040','A000000004','2002-03-04','cheque','withdrawal',20000);  
insert into trandetails values('t00041','A000000005','2002-03-05','cheque','deposit',20000);  
insert into trandetails values('t00042','A000000006','2002-03-06','cheque','deposit',20000);  
insert into trandetails values('t00043','A000000007','2002-03-07','cheque','deposit',34000);  
insert into trandetails values('t00044','A000000008','2002-03-08','cheque','deposit',20000);  
insert into trandetails values('t00045','A000000009','2002-03-09','cheque','deposit',20000);  
insert into trandetails values('t00046','A000000010','2002-03-10','cheque','deposit',20000);  
insert into trandetails values('t00047','A000000011','2002-03-11','cash','deposit',20000);  
insert into trandetails values('t00048','A000000012','2002-03-12','cash','withdrawal',20000);  
insert into trandetails values('t00049','A000000013','2002-03-13','cash','withdrawal',20000);  
insert into trandetails values('t00050','A000000014','2002-03-14','cash','withdrawal',20000);  
insert into trandetails values('t00051','A000000015','2002-03-15','cash','withdrawal',20000);  
insert into trandetails values('t00052','A000000016','2002-03-16','cash','withdrawal',20000);  
insert into trandetails values('t00053','A000000017','2002-03-17','cash','withdrawal',20000);  
insert into trandetails values('t00054','A000000018','2002-03-18','cash','deposit',32000);  
insert into trandetails values('t00055','A000000019','2002-03-19','cash','deposit',5000);  
insert into trandetails values('t00056','A000000020','2002-03-20','cash','deposit',20000);  
insert into trandetails values('t00057','A000000021','2002-03-21','cash','deposit',20000);  
insert into trandetails values('t00058','A000000022','2002-03-22','cash','deposit',20000);  
insert into trandetails values('t00059','A000000023','2002-03-23','cash','deposit',20000);  
insert into trandetails values('t00060','A000000024','2002-03-24','cash','deposit',6500);  
insert into trandetails values('t00061','A000000025','2002-03-25','cash','deposit',20000);  
insert into trandetails values('t00062','A000000026','2002-03-26','cash','deposit',20000);  
insert into trandetails values('t00063','A000000027','2002-03-27','cheque','withdrawal',20000);  
insert into trandetails values('t00064','A000000028','2002-03-28','cheque','deposit',20000);  
insert into trandetails values('t00065','A000000029','2002-03-29','cheque','deposit',20000);  
insert into trandetails values('t00066','A000000030','2002-03-30','cheque','withdrawal',20000);  
insert into trandetails values('t00067','A000000031','2002-03-31','cheque','withdrawal',20000);  
insert into trandetails values('t00068','A000000032','2003-04-01','cheque','withdrawal',20000);  
insert into trandetails values('t00069','A000000033','2003-04-02','cheque','deposit',20000);  
insert into trandetails values('t00070','A000000034','2003-04-03','cheque','deposit',20000);  
insert into trandetails values('t00071','A000000035','2003-04-04','cheque','deposit',20000);  
insert into trandetails values('t00072','A000000036','2003-04-05','cheque','deposit',20000);  
insert into trandetails values('t00073','A000000001','2004-03-01','cheque','withdrawal',20000);  
insert into trandetails values('t00074','A000000002','2004-03-02','cheque','withdrawal',20000);  
insert into trandetails values('t00075','A000000003','2004-03-03','cash','withdrawal',20000);  
insert into trandetails values('t00076','A000000004','2004-03-04','cash','withdrawal',20000);  
insert into trandetails values('t00077','A000000005','2004-03-05','cash','withdrawal',20000);  
insert into trandetails values('t00078','A000000006','2004-03-06','cheque','withdrawal',20000);  
insert into trandetails values('t00079','A000000007','2004-03-07','cheque','deposit',20000);

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insert into trandetails values('t00080','A000000008','2004-03-08','cheque','deposit',20000);
insert into trandetails values('t00081','A000000009','2004-03-09','cheque','deposit',20000);
insert into trandetails values('t00082','A000000010','2004-03-10','cheque','deposit',20000);
insert into trandetails values('t00083','A000000011','2004-03-11','cheque','deposit',20000);
insert into trandetails values('t00084','A000000012','2005-03-01','cheque','deposit',20000);
insert into trandetails values('t00085','A000000013','2005-03-02','cheque','deposit',20000);
insert into trandetails values('t00086','A000000014','2005-03-03','cheque','deposit',20000);
insert into trandetails values('t00087','A000000015','2005-03-04','cheque','deposit',20000);
insert into trandetails values('t00088','A000000016','2005-03-05','cheque','deposit',20000);
insert into trandetails values('t00089','A000000017','2005-03-06','cheque','deposit',20000);
insert into trandetails values('t00090','A000000018','2005-03-07','cheque','deposit',20000);
insert into trandetails values('t00091','A000000019','2006-01-19','cheque','withdrawal',20000);
insert into trandetails values('t00092','A000000020','2006-01-20','cash','withdrawal',20000);
insert into trandetails values('t00093','A000000021','2006-01-21','cash','withdrawal',20000);
insert into trandetails values('t00094','A000000022','2006-01-22','cash','withdrawal',20000);
insert into trandetails values('t00095','A000000023','2006-01-23','cash','withdrawal',20000);
insert into trandetails values('t00096','A000000024','2006-01-24','cash','withdrawal',20000);
insert into trandetails values('t00097','A000000025','2006-01-25','cash','withdrawal',20000);
insert into trandetails values('t00098','A000000026','2006-01-26','cash','deposit',20000);
insert into trandetails values('t00099','A000000027','2006-01-27','cash','deposit',20000);
insert into trandetails values('t00100','A000000028','2006-01-28','cash','deposit',20000);
insert into trandetails values('t00101','A000000029','2006-01-29','cash','withdrawal',20000);
insert into trandetails values('t00102','A000000030','2006-01-30','cash','withdrawal',20000);
insert into trandetails values('t00103','A000000031','2006-01-31','cash','withdrawal',20000);
insert into trandetails values('t00104','A000000032','2017-01-03','cash','withdrawal',20000);
insert into trandetails values('t00105','A000000033','2017-01-04','cash','deposit',20000);
insert into trandetails values('t00106','A000000034','2017-01-05','cash','deposit',20000);
insert into trandetails values('t00107','A000000035','2017-01-06','cash','deposit',20000);
insert into trandetails values('t00108','A000000036','2017-01-07','cash','deposit',45000);

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insert into trandetails values('t00001','A000000001','2001-01-01','cheque','deposit',12000);
insert into trandetails values('t00002','A000000002','2001-01-02','cheque','deposit',111000);
insert into trandetails values('t00003','A000000003','2001-01-03','cheque','deposit',12300);
insert into trandetails values('t00004','A000000004','2001-01-04','cheque','deposit',10000);
insert into trandetails values('t00005','A000000005','2001-01-05','cheque','deposit',1000);
insert into trandetails values('t00006','A000000006','2001-01-06','cheque','deposit',2000);
insert into trandetails values('t00007','A000000007','2001-01-07','cheque','deposit',5000);
insert into trandetails values('t00008','A000000008','2001-01-08','cash','deposit',3000);
insert into trandetails values('t00009','A000000009','2001-01-09','cash','deposit',1000);
insert into trandetails values('t00010','A000000010','2001-01-10','cash','deposit',10000);
insert into trandetails values('t00011','A000000011','2001-01-11','cash','withdrawal',5000);
insert into trandetails values('t00012','A000000012','2001-01-12','cash','withdrawal',10000);
insert into trandetails values('t00013','A000000013','2001-01-13','cash','withdrawal',20000);
insert into trandetails values('t00014','A000000014','2001-01-14','cash','withdrawal',20000);
insert into trandetails values('t00015','A000000015','2001-01-15','cash','withdrawal',20000);
insert into trandetails values('t00016','A000000016','2001-01-16','cash','withdrawal',10000);

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insert into trandetails values('t00017','A000000017','2001-01-17','cash','withdrawal',20000);
insert into trandetails values('t00018','A000000018','2001-01-18','cash','withdrawal',3000);
insert into trandetails values('t00019','A000000019','2001-01-19','cash','withdrawal',20000);
insert into trandetails values('t00020','A000000020','2001-01-20','cash','deposit',20000);
insert into trandetails values('t00021','A000000021','2001-01-21','cash','deposit',25000);
insert into trandetails values('t00022','A000000022','2001-01-22','cash','deposit',20000);
insert into trandetails values('t00023','A000000023','2001-01-23','cash','deposit',20000);
insert into trandetails values('t00024','A000000024','2001-01-24','cash','deposit',20000);
insert into trandetails values('t00025','A000000025','2001-01-25','cash','deposit',14000);
insert into trandetails values('t00026','A000000026','2001-01-26','cash','deposit',20000);
insert into trandetails values('t00027','A000000027','2001-01-27','cash','withdrawal',20000);
insert into trandetails values('t00028','A000000028','2001-01-28','cash','withdrawal',20000);
insert into trandetails values('t00029','A000000029','2001-01-29','cash','withdrawal',20000);
insert into trandetails values('t00030','A000000030','2001-01-30','cash','withdrawal',20000);
insert into trandetails values('t00031','A000000031','2001-01-31','cash','withdrawal',20000);
insert into trandetails values('t00032','A000000032','2001-02-01','cash','withdrawal',12500);
insert into trandetails values('t00033','A000000033','2001-02-02','cash','deposit',20000);
insert into trandetails values('t00034','A000000034','2001-02-03','cash','deposit',20000);
insert into trandetails values('t00035','A000000035','2001-02-04','cash','deposit',20000);
insert into trandetails values('t00036','A000000036','2001-02-05','cheque','deposit',20000);
insert into trandetails values('t00037','A000000001','2002-03-01','cheque','withdrawal',20000);
insert into trandetails values('t00038','A000000002','2002-03-02','cheque','withdrawal',20000);
insert into trandetails values('t00039','A000000003','2002-03-03','cheque','withdrawal',20000);
insert into trandetails values('t00040','A000000004','2002-03-04','cheque','withdrawal',20000);
insert into trandetails values('t00041','A000000005','2002-03-05','cheque','deposit',20000);
insert into trandetails values('t00042','A000000006','2002-03-06','cheque','deposit',20000);
insert into trandetails values('t00043','A000000007','2002-03-07','cheque','deposit',34000);
insert into trandetails values('t00044','A000000008','2002-03-08','cheque','deposit',20000);
insert into trandetails values('t00045','A000000009','2002-03-09','cheque','deposit',20000);
insert into trandetails values('t00046','A000000010','2002-03-10','cheque','deposit',20000);
insert into trandetails values('t00047','A000000011','2002-03-11','cash','deposit',20000);
insert into trandetails values('t00048','A000000012','2002-03-12','cash','withdrawal',20000);
insert into trandetails values('t00049','A000000013','2002-03-13','cash','withdrawal',20000);
insert into trandetails values('t00050','A000000014','2002-03-14','cash','withdrawal',20000);
insert into trandetails values('t00051','A000000015','2002-03-15','cash','withdrawal',20000);
insert into trandetails values('t00052','A000000016','2002-03-16','cash','withdrawal',20000);
insert into trandetails values('t00053','A000000017','2002-03-17','cash','withdrawal',20000);
insert into trandetails values('t00054','A000000018','2002-03-18','cash','deposit',32000);
insert into trandetails values('t00055','A000000019','2002-03-19','cash','deposit',5000);
insert into trandetails values('t00056','A000000020','2002-03-20','cash','deposit',20000);
insert into trandetails values('t00057','A000000021','2002-03-21','cash','deposit',20000);
insert into trandetails values('t00058','A000000022','2002-03-22','cash','deposit',20000);
insert into trandetails values('t00059','A000000023','2002-03-23','cash','deposit',20000);
insert into trandetails values('t00060','A000000024','2002-03-24','cash','deposit',6500);
insert into trandetails values('t00061','A000000025','2002-03-25','cash','deposit',20000);
insert into trandetails values('t00062','A000000026','2002-03-26','cash','deposit',20000);
insert into trandetails values('t00063','A000000027','2002-03-27','cheque','withdrawal',20000);
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insert into trandetails values('t00064','A000000028','2002-03-28','cheque','deposit',20000);
insert into trandetails values('t00065','A000000029','2002-03-29','cheque','deposit',20000);
insert into trandetails values('t00066','A000000030','2002-03-30','cheque','withdrawal',20000);
insert into trandetails values('t00067','A000000031','2002-03-31','cheque','withdrawal',20000);
insert into trandetails values('t00068','A000000032','2003-04-01','cheque','withdrawal',20000);
insert into trandetails values('t00069','A000000033','2003-04-02','cheque','deposit',20000);
insert into trandetails values('t00070','A000000034','2003-04-03','cheque','deposit',20000);
insert into trandetails values('t00071','A000000035','2003-04-04','cheque','deposit',20000);
insert into trandetails values('t00072','A000000036','2003-04-05','cheque','deposit',20000);
insert into trandetails values('t00073','A000000001','2004-03-01','cheque','withdrawal',20000);
insert into trandetails values('t00074','A000000002','2004-03-02','cheque','withdrawal',20000);
insert into trandetails values('t00075','A000000003','2004-03-03','cash','withdrawal',20000);
insert into trandetails values('t00076','A000000004','2004-03-04','cash','withdrawal',20000);
insert into trandetails values('t00077','A000000005','2004-03-05','cash','withdrawal',20000);
insert into trandetails values('t00078','A000000006','2004-03-06','cheque','withdrawal',20000);
insert into trandetails values('t00079','A000000007','2004-03-07','cheque','deposit',20000);
insert into trandetails values('t00080','A000000008','2004-03-08','cheque','deposit',20000);
insert into trandetails values('t00081','A000000009','2004-03-09','cheque','deposit',20000);
insert into trandetails values('t00082','A000000010','2004-03-10','cheque','deposit',20000);
insert into trandetails values('t00083','A000000011','2004-03-11','cheque','deposit',20000);
insert into trandetails values('t00084','A000000012','2005-03-01','cheque','deposit',20000);
insert into trandetails values('t00085','A000000013','2005-03-02','cheque','deposit',20000);
insert into trandetails values('t00086','A000000014','2005-03-03','cheque','deposit',20000);
insert into trandetails values('t00087','A000000015','2005-03-04','cheque','deposit',20000);
insert into trandetails values('t00088','A000000016','2005-03-05','cheque','deposit',20000);
insert into trandetails values('t00089','A000000017','2005-03-06','cheque','deposit',20000);
insert into trandetails values('t00090','A000000018','2005-03-07','cheque','deposit',20000);
insert into trandetails values('t00091','A000000019','2006-01-19','cheque','withdrawal',20000);
insert into trandetails values('t00092','A000000020','2006-01-20','cash','withdrawal',20000);
insert into trandetails values('t00093','A000000021','2006-01-21','cash','withdrawal',20000);
insert into trandetails values('t00094','A000000022','2006-01-22','cash','withdrawal',20000);
insert into trandetails values('t00095','A000000023','2006-01-23','cash','withdrawal',20000);
insert into trandetails values('t00096','A000000024','2006-01-24','cash','withdrawal',20000);
insert into trandetails values('t00097','A000000025','2006-01-25','cash','withdrawal',20000);
insert into trandetails values('t00098','A000000026','2006-01-26','cash','deposit',20000);
insert into trandetails values('t00099','A000000027','2006-01-27','cash','deposit',20000);
insert into trandetails values('t00100','A000000028','2006-01-28','cash','deposit',20000);
insert into trandetails values('t00101','A000000029','2006-01-29','cash','withdrawal',20000);
insert into trandetails values('t00102','A000000030','2006-01-30','cash','withdrawal',20000);
insert into trandetails values('t00103','A000000031','2006-01-31','cash','withdrawal',20000);
insert into trandetails values('t00104','A000000032','2017-01-03','cash','withdrawal',20000);
insert into trandetails values('t00105','A000000033','2017-01-04','cash','deposit',20000);
insert into trandetails values('t00106','A000000034','2017-01-05','cash','deposit',20000);
insert into trandetails values('t00107','A000000035','2017-01-06','cash','deposit',20000);
insert into trandetails values('t00108','A000000036','2017-01-07','cash','deposit',45000);
```

```

CREATE TABLE loan
(
    custid VARCHAR(10),
    bid VARCHAR(6),
    loan_amount INT(7),
    CONSTRAINT loan_customer_custid_bid_pk PRIMARY KEY(custid,bid)
    CONSTRAINT loan_custid_fk FOREIGN KEY(custid) REFERENCES customer(custid)
    CONSTRAINT loan_bid_fk FOREIGN KEY(bid) REFERENCES bid(bid)
);

```

### Transaction Data Insertion

| custid     | bid    | loan_amount |
|------------|--------|-------------|
| c000000001 | b00001 | 100,000     |
| c000000002 | b00002 | 200,000     |
| c000000009 | b00008 | 500,000     |
| c000000010 | b00009 | 1,000,000   |
| c000000001 | b00003 | 2,000,000   |
| c000000002 | b00001 | 3,500,000   |
| c000000020 | b00010 | 5,600,000   |
| c000000021 | b00008 | 7,000,000   |
| c000000019 | b00009 | 8,000,000   |
| c000000010 | b00010 | 3,500,000   |
| c000000019 | b00001 | 4,000,000   |
| c000000018 | b00002 | 4,000,000   |
| c000000024 | b00007 | 2,500,000   |
| c000000025 | b00009 | 2,600,000   |
| c000000015 | b00010 | 2,600,000   |
| c000000016 | b00004 | 8,000,000   |
| c000000035 | b00008 | 9,500,000   |
| c000000036 | b00010 | 9,500,000   |
| c000000030 | b00001 | 2,500,000   |
| c000000031 | b00003 | 2,700,000   |
| c000000001 | b00007 | 3,000,000   |
| c000000002 | b00009 | 3,000,000   |





```
Y(custid,bid),  
REFERENCES customer(custid),  
S branch(bid)
```

```
insert into loan values('c000000001','b00001',100000);  
insert into loan values('c000000002','b00002',200000);  
insert into loan values('c000000009','b00008',500000);  
insert into loan values('c000000010','b00009',1000000);  
insert into loan values('c000000001','b00003',2000000);  
insert into loan values('c000000002','b00001',3500000);  
insert into loan values('c000000020','b00010',5600000);  
insert into loan values('c000000021','b00008',7000000);  
insert into loan values('c000000019','b00009',8000000);  
insert into loan values('c000000010','b00010',3500000);  
insert into loan values('c000000019','b00001',4000000);  
insert into loan values('c000000018','b00002',4000000);  
insert into loan values('c000000024','b00007',2500000);  
insert into loan values('c000000025','b00009',2600000);  
insert into loan values('c000000015','b00010',2600000);  
insert into loan values('c000000016','b00004',8000000);  
insert into loan values('c000000035','b00008',9500000);  
insert into loan values('c000000036','b00010',9500000);  
insert into loan values('c000000030','b00001',2500000);  
insert into loan values('c000000031','b00003',2700000);  
insert into loan values('c000000001','b00007',3000000);  
insert into loan values('c000000002','b00009',3000000);
```

```
insert into loan values('c000000001','b00001',100000);  
insert into loan values('c000000002','b00002',200000);  
insert into loan values('c000000009','b00008',500000);  
insert into loan values('c000000010','b00009',1000000);  
insert into loan values('c000000001','b00003',2000000);  
insert into loan values('c000000002','b00001',3500000);  
insert into loan values('c000000020','b00010',5600000);  
insert into loan values('c000000021','b00008',7000000);  
insert into loan values('c000000019','b00009',8000000);  
insert into loan values('c000000010','b00010',3500000);
```

```
insert into loan values('c000000019','b00001',4000000);
insert into loan values('c000000018','b00002',4000000);
insert into loan values('c000000024','b00007',2500000);
insert into loan values('c000000025','b00009',2600000);
insert into loan values('c000000015','b00010',2600000);
insert into loan values('c000000016','b00004',8000000);
insert into loan values('c000000035','b00008',9500000);
insert into loan values('c000000036','b00010',9500000);
insert into loan values('c000000030','b00001',2500000);
insert into loan values('c000000031','b00003',2700000);
insert into loan values('c000000001','b00007',3000000);
insert into loan values('c000000002','b00009',3000000);
```