```sql
create database Screening_task
use Screening_task

create table
User_Table
(User_Id int NOT NULL PRIMARY KEY IDENTITY, User_name varchar(100), User_dob
  date,User_email varchar(200), User_created_date date)

create table
Bank_Account
(User_Id int, bank_account_id int NOT NULL PRIMARY KEY, bank_account_number int,
  is_user_active varchar(50), amount int,FOREIGN KEY (User_Id) REFERENCES
  User_Table(User_Id) )



create table
Transaction_Table
(Transaction_date date , User_Id int , bank_account_id int , withdrawn_amount
  int ,FOREIGN KEY (User_Id) REFERENCES User_Table(User_Id),FOREIGN KEY
  (bank_account_id) REFERENCES Bank_Account(bank_account_id) )


insert into User_Table
( User_name , User_dob ,User_email , User_created_date )
values
('Shahzeb','1999-07-10','mdshahzeb034@gmail.com','2020-02-10'),
('Saquib','1998-05-11','saquib@gmail.com','2019-05-15'),
('Alok','1997-05-18','alok@gmail.com','2018-03-23'),
('Vivek','1997-01-28','vivek@gmail.com','2017-04-27'),
('Narender','1996-10-29','narender@gmail.com','2016-12-25');


insert into Bank_Account
(User_Id , bank_account_id , bank_account_number , is_user_active , amount  )
values
(1,11,254578,'yes',10000),
(2,12,254550,'no',25000),
(3,13,254510,'yes',3000),
(4,14,254571,'yes',100000),
(5,15,254530,'yes',50000);

insert into Transaction_Table
(Transaction_date   , User_Id   , bank_account_id   , withdrawn_amount )
values
('2022-03-15',1,11,2000),
('2022-04-15',2,12,1000),
('2022-05-15',1,11,3000),
('2022-01-10',4,14,10000),
```

```sql
('2022-02-18',1,11,2000),
('2022-03-25',4,14,20000),
('2022-03-28',5,15,10000),
('2022-04-07',4,14,1000),
('2022-04-30',5,15,2000),
('2022-01-30',5,15,2000),
('2022-04-21',5,15,2000)

select * from Transaction_Table


select * from User_Table
select * from Bank_Account
select * from Transaction_Table


--1.    Create a stored procedure to check the account balance.

create procedure Account_balance @account int
as
select
amount
from
Bank_Account
where
bank_account_number=@account

exec Account_balance @account=254571
exec Account_balance @account=254550

--2.    Create a stored procedure to withdraw the amount.
--a.    User must have a sufficient amount to withdraw money from his/her account.
--b.    Minimum balance 5000 rupees must be maintained in each user account.

create or Alter procedure credit_amount @accountNo int,@withdrwan_credit
  int,@transcationType varchar
as
begin
 declare @oldBalance int;
 declare @newBalance int;
 BEGIN TRANSACTION
 BEGIN
 select @oldbalance=amount from Bank_Account where bank_account_number=@accountNo;
 if (lower(@transcationType)='credit')
 begin
    select @newBalance=@oldBalance+@withdrwan_credit
    update Bank_Account set amount=@newBalance where bank_account_number=@accountNo;
 if (lower(@transcationType)='debit')
 begin
```

```sql
   if (@oldBalance>5000)
   begin
    if ((select is_user_active from Bank_Account)='yes')
    begin
     select @newBalance=@oldBalance-@withdrwan_credit
     update Bank_Account set amount=@newBalance where
        bank_account_number=@accountNo
    END
   END
 END
 END
 END
 COMMIT TRANSACTION

END;


exec credit_amount
  @accountNo=254578,@withdrwan_credit=2000,@transcationType='credit'


--3 Check account statement: Users should be able to check all transactions for a
  given interval of time.(From date and To date)
create or Alter procedure Account_statement @account_no int,@from_date
  date,@to_date date
as
begin
select
User_name,
User_dob,
User_email,
User_created_date,
bank_account_number,
withdrawn_amount,
Transaction_date
from
Transaction_Table tb full join Bank_Account ba
on tb.User_Id=ba.User_Id
full join User_Table ut on ba.User_Id=ut.User_Id
where (Transaction_date between @from_date and @to_date) and
  bank_account_number=@account_no
end;




exec Account_statement
  @account_no=254571,@from_date='2018-10-15',@to_date='2022-02-15'
```