Create the following tables with given attributes having appropriate data type and specify the necessary primary and foreign key constraints:

Customer (Custid, Custname, Age, Phone)
Loan (Loanid, Amount, Custid, EMI)
Account(Acno, Custid, Balance)

a) List the Loanid of Loans with EMI more than Rs.50,000.
b) List the EMI and number of loans with that loan amount.
c) Create a view to list the total number of loans availed.
d) Display the EMI amount of Customer "Smith".
e) Create a procedure to print the Amount and Custid of Loanid 1001.
f) Create a function to display the loan amount of customer with customerid 100.

```
create table customer(Custid int primary key,custname nvarchar(20) not null,Age int,
phone int);
create table loan(loanid int primary key,amount int  not null,custid int foreign key
references customer, emi int);
create table account(acno int primary key,custid int foreign key references
customer,balance int );
```

a)
```
select * from loan;
select loanid from loan where emi>50000;
```

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Results | Messages

	loanid	amount	custid	emi
1	1001	200000	100	50000
2	1002	50000	101	79000
3	1003	75000	102	58000
4	1004	100000	103	15000

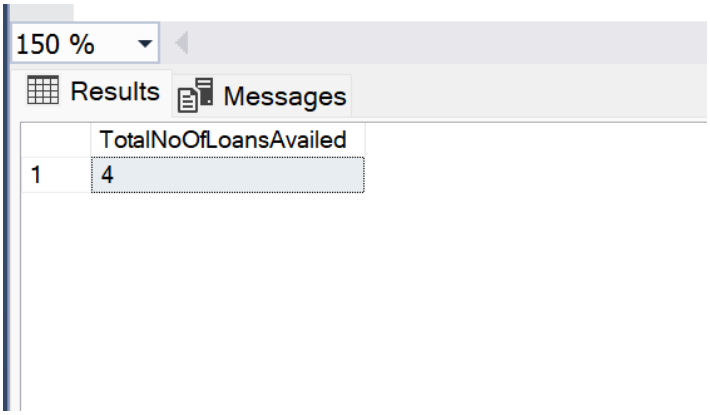
	loanid
1	1002
2	1003

b)
```
select  emi,count(emi)as   NumofSameAmount
from loan
group by emi
order by emi;
```

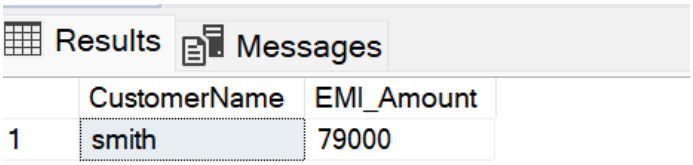
Results | Messages

	emi	NumofSameAmount
1	15000	1
2	50000	1
3	58000	1
4	79000	1

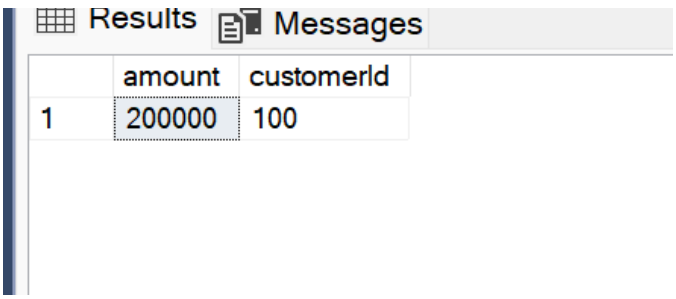
c)
```
select count(loanid) as TotalNoOfLoansAvailed
from loan;
```



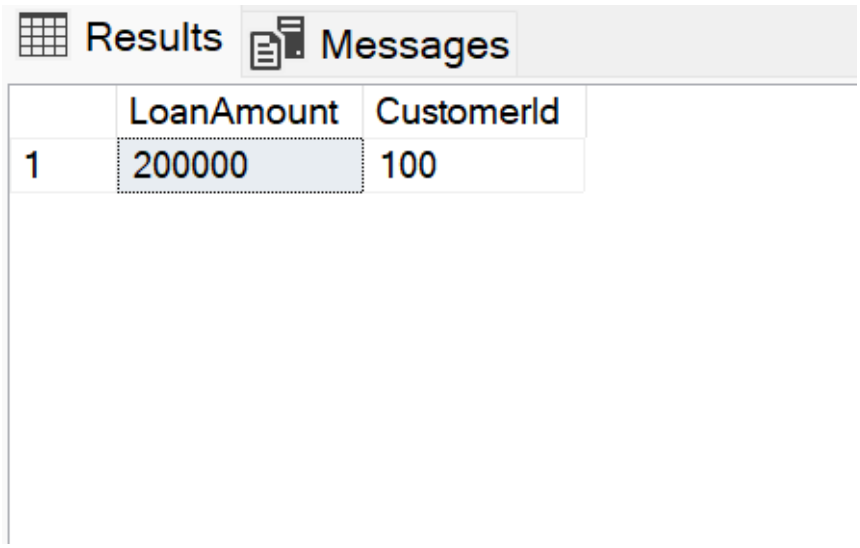
d)
```
select c.custname CustomerName, l.emi EMI_Amount
from customer c  join loan l
on c.Custid=l.custid
where custname='smith';
```



e)
```
CREATE PROCEDURE usp_loandisplay

AS
BEGIN
    SELECT  l.amount ,c.custid customerId from customer c full outer join
loan l
    on c.custid=l.custid
    where loanid=1001;
END
GO

exec dbo.usp_loandisplay;
```



f)
```
CREATE or alter FUNCTION udf_display
(
)
RETURNS TABLE
AS
RETURN
(

    SELECT amount as LoanAmount ,custid as CustomerId
    from loan
    where custid=100
)
GO
select * from udf_display();
```



	LoanAmount	CustomerId
1	200000	100