Create table Customer

(

       Custid int primary key,

       Custname nvarchar(20),

       Age int,

       Phone bigint
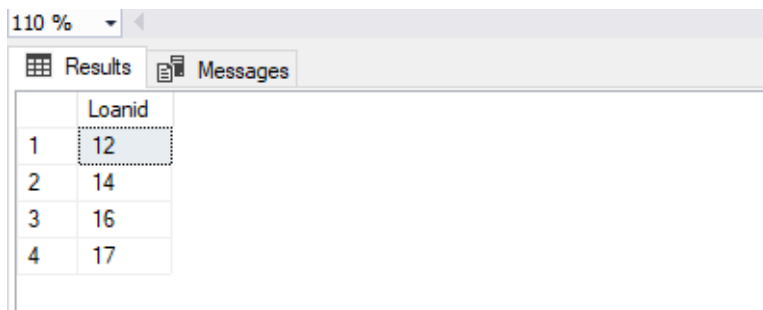
)

create table Loan
(
       Loanid int primary key,
       Amount int,
       Custid int,
       constraint "FK_Loan_custid" FOREIGN KEY ("Custid") references
"dbo"."Customer"("Custid"),
       EMI int
)

create table Account
(
       Acno int,
       Custid int,
       constraint "FK_Account_custid" FOREIGN KEY ("Custid") references
"dbo"."Customer"("Custid"),
       Balance int
)

   a) List the loan id of loans with EMI more than Rs.50000

select Loanid from Loan where Amount>50000;

	Loanid
1	12
2	14
3	16
4	17

   b) List the EMI and number of loans with that loan amount

```sql
select max(EMI)'EMI', count(*)'Number of loans' from Loan where Amount = 50000 group by
EMI;
```

	EMI	Number of loans
1	5	3
2	6	1

c) Create a view to list the total number of loans availed

```sql
create view View_TotalLoans AS
select * from Loan;
```

```sql
select count(*) "Number of loans availed" from View_TotalLoans;
```

	Number of loans availed
1	7

d) Display the EMI amount of customer "Smith"

```sql
select EMI from Loan where Custid = (select Custid from Customer where Custname='Smith');
```

	EMI
1	5

e) Create a procedure to print the Amount and CustomerID of LoanID 1001

```sql
CREATE or ALTER PROCEDURE usp_loan
        @loanid int
AS
BEGIN
        SET NOCOUNT ON;
        SELECT Amount, Custid from Loan where Loanid = @loanid
END
```

```
GO
```

```
exec usp_loan @loanid=1001;
```

	Amount	Custid
1	100000	7

f) Create a function to display the loan amount of customer with customerid 100

```
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE or alter FUNCTION udf_loan
(
        @custid int
)
RETURNS @result TABLE
(
        Amount int
)
AS
BEGIN
        INSERT INTO @result (Amount)
        select Amount from Loan where Custid=@custid
        RETURN
END
GO
```

```
select * from udf_loan(100);
```

	Amount
1	100000