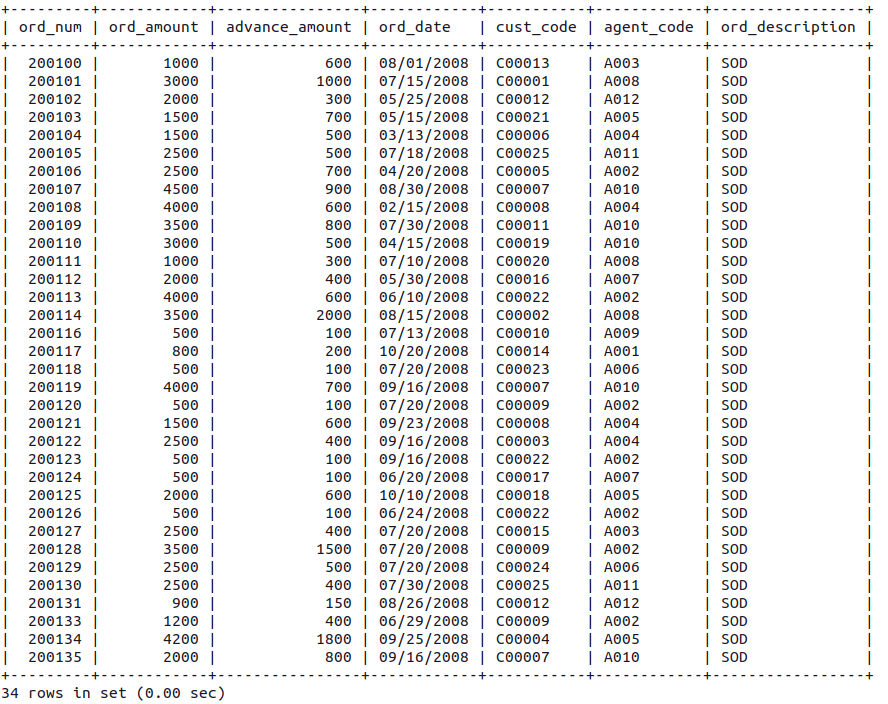
Fanindra Saini

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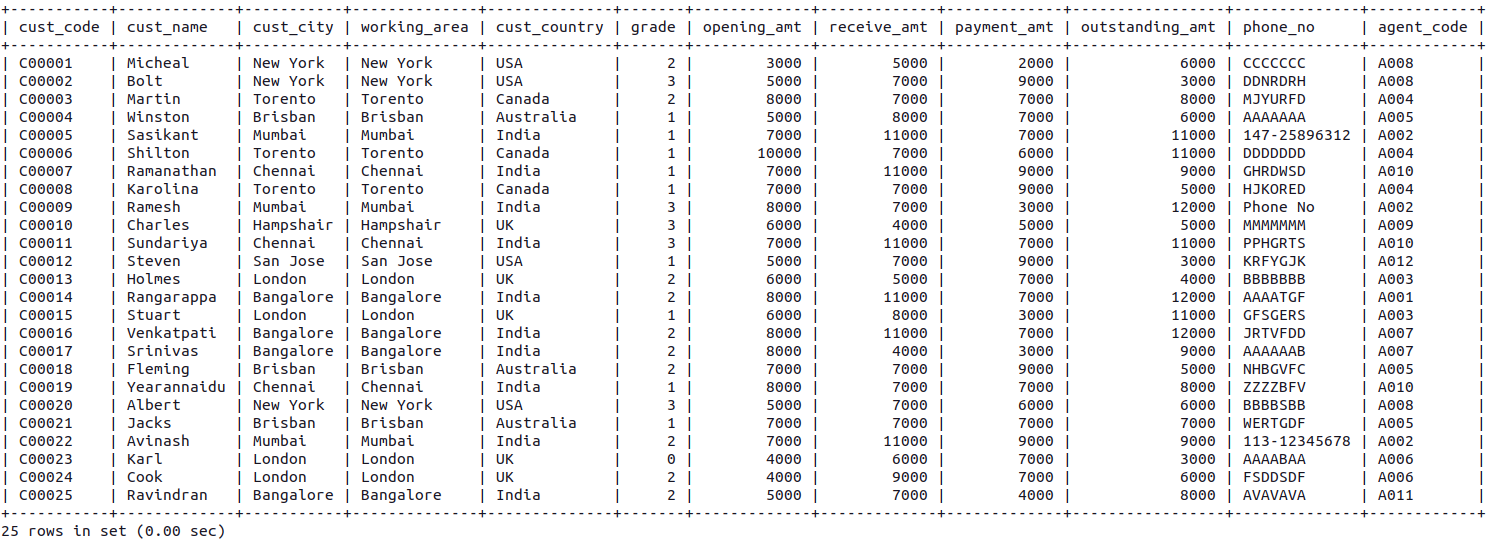
B4

**DATABASE SYSTEMS ASSIGNMENT**

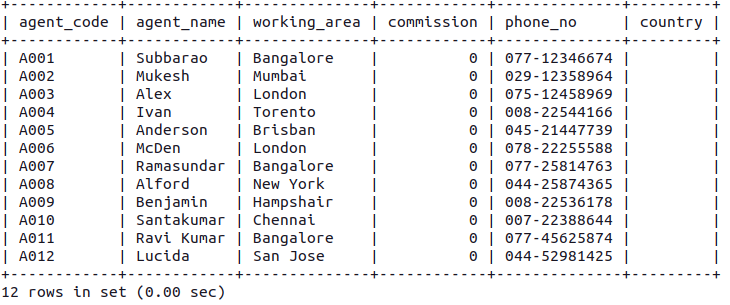
***Database-***

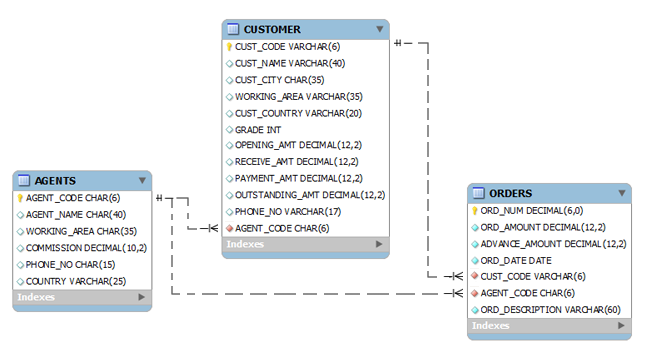
1. Orders-

2. Customers-



3.Agents-





**Queries**

***DDL-***

***//Create***

*1. create database myshop*;

*2. create table agents(agent\_code char(6) not null primary key,agent\_name char(40),working\_area char(35),commission int,phone\_no char(15),country varchar(25) );*

***//Drop***

*3. drop database myshop2;*

*4. drop table products;*

***//Alter***

*5. alter table agents add country char(20);*

*6. alter table agents drop country;*

*7. alter table customers modify cust\_name varchar(40);*

*8. alter table daily\_orders rename to orders;*

*9. alter table orders change column date ord\_date;*

*10. alter table agents add constraints unk\_acode UNIQUE (agent\_code);*

*11. alter table orders add primary key (ord\_num);*

*12. alter table orders drop primary key;*

*13. alter table customers add acode\_fk foreign key (agent\_code) refrences agent(agent\_code);*

*14. alter table customers drop foreign key acode\_fk;*

*15. alter table orders add constraint chk\_adv check(advance\_amount<100 and ord\_amount>1000);*

*16. alter table customers drop check chk\_adv;*

*17. alter table orders alter ord\_description set default “SOD”;*

*18. alter table orders alter ord\_description drop default ;*

***//Truncate***

*19. truncate table products;*

***DML-***

***//Select-***

*19. select \* from customers;*

*20. select ord\_num,ord\_date,ord\_amount from orders;*

*21. select sum(commission) from agents;*

*22. select \* from orders where ord\_amount>3000;*

23. select \* from orders where ord\_amount>3000 and advance\_amount<1000;

*24. select \* from agents where agent\_name like "S%";*

*25. select \* from agents where agent\_name like "%r";*

*26. select \* from agents where agent\_name like "\_\_n\_a%";*

*27. select \* from agents where agent\_name like "%f%";*

***//Insert***

*28. INSERT INTO agents VALUES ('A007', 'Ramasundar', 'Bangalore', '0.15', '077-25814763', '');*

***//Update***

*29. update customers set ord\_amount+1000 where advance\_payment<500;*

*30. update customers set ord\_amount= where cust\_code=200119;*

*31. update orders set ord\_amount=ord\_amount+100 where advance\_amount<200;*

*32. update agents set commission=100 where commission=0;*

***//Delete***

*33. delete from orders where ord\_amount<100;*

***//Using aliasis-***

*34. select ord\_num,(ord\_amount-advance\_amount) as Due\_Payment,ord\_date from orders;*

*35. select distinct c.cust\_code,cust\_name,cust\_city,c.agent\_code from customers as c,orders as o where c.agent\_code=o.agent\_code;*

**//Count-**

36. select count(\*) from orders where ord\_amount>2000;

37. select count(cust\_name) from customers where receive\_amt>10000;

21. select count(distinct cust\_country) from customers;

**//Group by-**

*38. select advance\_amount,count(ord\_num) from orders group by advance\_amount;*

39. select cust\_country, count(\*) from customers group by cust\_country;

40. select cust\_country, max(opening\_amt) from customers group by cust\_country;

**//Order by**

*41. select cust\_code,cust\_name,payment\_amt from customers order by payment\_amt;*

*42. select ord\_num, ord\_amount, cust\_code, ord\_date from orders where ord\_amount>3000 order by ord\_date desc;*

***//Having-***

*43. select sum(outstanding\_amt), cust\_city from customers group by cust\_city having cust\_city="London";*

*44. select cust\_country, avg(outstanding\_amt) from customers group by cust\_country having avg(outstanding\_amt)>7000;*