**Group 2**

CREATE TABLE agent\_data (

agent\_id VARCHAR(6),

agent\_name VARCHAR(40) NOT NULL,

location VARCHAR(35),

commision DEC(10,2) NOT NULL,

phone\_no VARCHAR(15) UNIQUE,

country\_name VARCHAR(25),

PRIMARY KEY(agent\_id)

);

CREATE TABLE customer\_data (

customer\_id VARCHAR(6),

customer\_name VARCHAR(40) NOT NULL,

customer\_city CHAR(35),

location VARCHAR(35) NOT NULL,

customer\_country VARCHAR(20) NOT NULL,

grade INT,

opening\_amt DEC(10,2) NOT NULL,

receive\_amt DEC(10,2) NOT NULL,

payment\_amt DEC(10,2) NOT NULL,

outstanding\_amt DEC(10,2) NOT NULL,

phone\_no VARCHAR(17) NOT NULL UNIQUE,

agent\_id VARCHAR(6),

PRIMARY KEY(customer\_id),

FOREIGN KEY (agent\_id) REFERENCES agent\_data(agent\_id)

);

CREATE TABLE order\_data (

order\_id INT,

order\_amt DEC(10,2) NOT NULL,

advance\_amt DEC(10,2) NOT NULL,

order\_date DATE NOT NULL,

customer\_id VARCHAR(6),

agent\_id VARCHAR(6),

order\_description VARCHAR(60) NOT NULL,

PRIMARY KEY(order\_id),

FOREIGN KEY(customer\_id) REFERENCES customer\_data(customer\_id),

FOREIGN KEY(agent\_id) REFERENCES agent\_data(agent\_id)

);

INSERT INTO `agent\_data` VALUES

('A007', 'Ramasundar', 'Bangalore', '0.15', '077-25814763', 'IND'),

('A003', 'Alex', 'London', '0.13', '075-12458969', 'UK'),

('A008', 'Alford', 'New York', '0.12', '044-25874365', 'USA'),

('A011', 'Ravi Kumar', 'Bangalore', '0.15', '077-45625874', 'IND'),

('A010', 'Santakumar', 'Chennai', '0.14', '007-22388644', 'IND'),

('A012', 'Lucida', 'San Jose', '0.12', '044-52981425', 'USA'),

('A005', 'Anderson', 'Brisban', '0.13', '045-21447739', 'AUS'),

('A001', 'Subbarao', 'Bangalore', '0.14', '077-12346674', 'IND'),

('A002', 'Mukesh', 'Mumbai', '0.11', '029-12358964', 'IND'),

('A006', 'McDen', 'London', '0.15', '078-22255588', 'UK'),

('A004', 'Ivan', 'Torento', '0.15', '008-22544166', 'CAN'),

('A009', 'Benjamin', 'Hampshair', '0.11', '008-22536178', 'UK'),

('A013', 'Joe', 'Sydney', '0.10', '022-39223442', 'AUS');

INSERT INTO `customer\_data` VALUES

('C00013', 'Holmes', 'London', 'London', 'UK', '2', '6000.00', '5000.00', '7000.00', '4000.00', '1234567890', 'A003'),

('C00001', 'Micheal', 'New York', 'New York', 'USA', '2', '3000.00', '5000.00', '2000.00', '6000.00', '9876543210', 'A008'),

('C00020', 'Albert', 'New York', 'New York', 'USA', '3', '5000.00', '7000.00', '6000.00', '6000.00', '1029384746', 'A008'),

('C00025', 'Ravindran', 'Bangalore', 'Bangalore', 'India', '2', '5000.00', '7000.00', '4000.00', '8000.00', '90201948012', 'A011'),

('C00024', 'Cook', 'London', 'London', 'UK', '2', '4000.00', '9000.00', '7000.00', '6000.00', '999999229', 'A006'),

('C00015', 'Stuart', 'London', 'London', 'UK', '1', '6000.00', '8000.00', '3000.00', '11000.00', '9836910129', 'A003'),

('C00002', 'Bolt', 'New York', 'New York', 'USA', '3', '5000.00', '7000.00', '9000.00', '3000.00', '2903982842', 'A008'),

('C00018', 'Fleming', 'Brisbane', 'Brisbane', 'Australia', '2', '7000.00', '7000.00', '9000.00', '5000.00', '2323232323', 'A005'),

('C00021', 'Jacks', 'Brisbane', 'Brisbane', 'Australia', '1', '7000.00', '7000.00', '7000.00', '7000.00', '987610293', 'A005'),

('C00019', 'Yearannaidu', 'Chennai', 'Chennai', 'India', '1', '8000.00', '7000.00', '7000.00', '8000.00', '1002004006', 'A010'),

('C00005', 'Sasikant', 'Mumbai', 'Mumbai', 'India', '1', '7000.00', '11000.00', '7000.00', '11000.00', '9182736455', 'A002'),

('C00007', 'Ramanathan', 'Chennai', 'Chennai', 'India', '1', '7000.00', '11000.00', '9000.00', '9000.00', '5123513255', 'A010'),

('C00022', 'Avinash', 'Mumbai', 'Mumbai', 'India', '2', '7000.00', '11000.00', '9000.00', '9000.00', '113-4123232', 'A002'),

('C00004', 'Winston', 'Brisbane', 'Brisbane', 'Australia', '1', '5000.00', '8000.00', '7000.00', '6000.00', '5123513252', 'A005'),

('C00023', 'Karl', 'London', 'London', 'UK', '0', '4000.00', '6000.00', '7000.00', '3000.00', '9182736456', 'A006'),

('C00006', 'Shilton', 'Toronto', 'Toronto', 'Canada', '1', '10000.00', '7000.00', '6000.00', '11000.00', '9182736457', 'A004'),

('C00010', 'Charles', 'Hampshire', 'Hampshire', 'UK', '3', '6000.00', '4000.00', '5000.00', '5000.00', '9112736458', 'A009'),

('C00017', 'Srinivas', 'Bangalore', 'Bangalore', 'India', '2', '8000.00', '4000.00', '3000.00', '9000.00', '9182706459', 'A007'),

('C00012', 'Steven', 'San Jose', 'San Jose', 'USA', '1', '5000.00', '7000.00', '9000.00', '3000.00', '9183336460', 'A012'),

('C00008', 'Carolina', 'Toronto', 'Toronto', 'Canada', '1', '7000.00', '7000.00', '9000.00', '5000.00', '8273912938', 'A004'),

('C00003', 'Martin', 'Toronto', 'Toronto', 'Canada', '2', '8000.00', '7000.00', '7000.00', '8000.00', '8273912937', 'A004'),

('C00009', 'Ramesh', 'Mumbai', 'Mumbai', 'India', '3', '8000.00', '7000.00', '3000.00', '12000.00', '8273112936', 'A002'),

('C00014', 'Rangarappa', 'Bangalore', 'Bangalore', 'India', '2', '8000.00', '11000.00', '7000.00', '12000.00', '8273912939', 'A001'),

('C00016', 'Venkatpati', 'Bangalore', 'Bangalore', 'India', '2', '8000.00', '11000.00', '7000.00', '12000.00', '9102034005', 'A007'),

('C00011', 'Sundariya', 'Chennai', 'Chennai', 'India', '3', '7000.00', '11000.00', '7000.00', '11000.00', '827390000', 'A010');

INSERT INTO `order\_data` VALUES

('200100', '1000.00', '600.00', '2008-01-08', 'C00015', 'A003', 'lorem ipsum'),

('200110', '3000.00', '500.00', '2008-04-15', 'C00019', 'A010', 'doakf lorem ipsum'),

('200107', '4500.00', '900.00', '2008-08-30', 'C00007', 'A010', 'lorem ipsum'),

('200112', '2000.00', '400.00', '2008-05-30', 'C00016', 'A007', 'lorem ipsum dolor sit amet'),

('200113', '4000.00', '600.00', '2008-06-10', 'C00022', 'A002', ' lorem ipsum'),

('200102', '2000.00', '300.00', '2008-05-25', 'C00012', 'A012', ' lorem ipsum'),

('200114', '3500.00', '2000.00', '2008-08-15', 'C00002', 'A008', 'lorem ipsum'),

('200122', '2500.00', '400.00', '2008-09-16', 'C00003', 'A004', 'SOD\r'),

('200118', '500.00', '100.00', '2008-07-20', 'C00023', 'A006', 'SOD\r'),

('200119', '4000.00', '700.00', '2008-09-16', 'C00007', 'A010', 'SOD\r'),

('200121', '1500.00', '600.00', '2008-09-23', 'C00008', 'A004', 'SOD\r'),

('200130', '2500.00', '400.00', '2008-07-30', 'C00025', 'A011', 'SOD\r'),

('200134', '4200.00', '1800.00', '2008-09-25', 'C00004', 'A005', 'SOD\r'),

('200115', '2000.00', '1200.00', '2008-02-08', 'C00013', 'A013', 'SOD\r'),

('200108', '4000.00', '600.00', '2008-02-15', 'C00008', 'A004', 'SOD\r'),

('200103', '1500.00', '700.00', '2008-05-15', 'C00021', 'A005', 'SOD\r'),

('200105', '2500.00', '500.00', '2008-07-18', 'C00025', 'A011', 'SOD\r'),

('200109', '3500.00', '800.00', '2008-07-30', 'C00011', 'A010', 'SOD\r'),

('200101', '3000.00', '1000.00', '2008-07-15', 'C00001', 'A008', 'SOD\r'),

('200111', '1000.00', '300.00', '2008-07-10', 'C00020', 'A008', 'SOD\r'),

('200104', '1500.00', '500.00', '2008-03-13', 'C00006', 'A004', 'SOD\r'),

('200106', '2500.00', '700.00', '2008-04-20', 'C00005', 'A002', 'SOD\r'),

('200125', '2000.00', '600.00', '2008-10-10', 'C00018', 'A005', 'SOD\r'),

('200117', '800.00', '200.00', '2008-10-20', 'C00014', 'A001', 'SOD\r'),

('200123', '500.00', '100.00', '2008-09-16', 'C00022', 'A002', 'SOD\r'),

('200120', '500.00', '100.00', '2008-07-20', 'C00009', 'A002', 'SOD\r'),

('200116', '500.00', '100.00', '2008-07-13', 'C00010', 'A009', 'SOD\r'),

('200124', '500.00', '100.00', '2008-06-20', 'C00017', 'A007', 'SOD\r'),

('200126', '500.00', '100.00', '2008-06-24', 'C00022', 'A002', 'SOD\r'),

('200129', '2500.00', '500.00', '2008-07-20', 'C00024', 'A006', 'SOD\r'),

('200127', '2500.00', '400.00', '2008-07-20', 'C00015', 'A003', 'SOD\r'),

('200128', '3500.00', '1500.00', '2008-07-20', 'C00009', 'A002', 'SOD\r'),

('200135', '2000.00', '800.00', '2008-09-16', 'C00007', 'A010', 'SOD\r'),

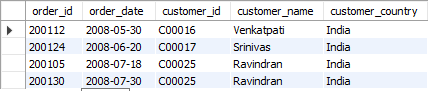
('200131', '900.00', '150.00', '2008-08-26', 'C00012', 'A012', 'SOD\r'),

('200133', '1200.00', '400.00', '2008-06-29', 'C00009', 'A002', 'SOD\r'),

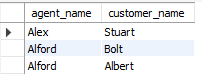
('200132', '4000.00', '2000.00', '2008-08-15', 'C00013', 'A003', 'SOD\r');

QUERIES:

1. Write a query to get *order\_id, order\_date, customer\_id, customer\_name* where *customer*\_*country* is “INDIA” and agent *commision* > 14%



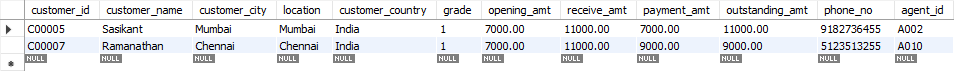
1. Query customer names of customers ending with *'t'* and agent names starting with *'a'* for orders where *advance amount* is more than 50% of *order amt*



1. Query the date on which maximum orders were received



1. Query all details of all grade 1 customers with *average receive amounts, average payment amounts* and average outstanding amounts all above their average.



1. Write a query to get *customer\_id, customer\_name, customer\_location, customer\_country*, *order\_amt, order\_description*, count countries As ‘*totalCountOfCountry’* having totalcountofcountry greater than 1 and *customer*\_*id* = ’c00015’ and *agent*\_*id* = ’A003’.

