Introduction Of Select statement

Q.1 Display the Entire Contents of Claim Details

```
select * from claims order by id;
Go
```

Q.2 Display the Firstname, Email and Phone Number of all Customers.

```
select first_name,email,phone_number from customer order by first_name;
Go
```

Q.3 Display the Distinct agent Names

```
select distinct name from agent order by name;
Go
```

Modifying Data - create / update / Select / Constraints

Q.1 Create a table named address

```
create table address(id int NOT NULL,address_line varchar(30) NOT NULL,street varchar(30) NOT NULL,
city varchar(30) NOT NULL,state varchar(30)NOT NULL,country varchar(30) NOT NULL,
zip_code varchar(30) NOT NULL);
GO
```

Q.2 Alter table named customer policy with the Check constraint

```
ALTER TABLE customer_policy ADD Constraint ck_renewal_date
CHECK(policy_renewal_date>policy_start_date);
Go
```

Q.3 Alter a table named customer with the Email check constraint

```
ALTER table customer ADD Constraint ck_email CHECK(email LIKE '%@%.%');
GO
```

Filtering Results with WHERE Statements / Using Group By and Having

Q.1 Display specific Customer details

```
select first_name,id,email,phone_number From customer Where first_name Like 'M%e%a';
Go
```

Q.2 Display Customer Policy for a specific period

```
select id,premium_amount,policy_value From customer_policy
Where (policy_renewal_date Between '2014-01-01 00:00:00' AND '2014-12-31 23:59:59' AND
policy_value > 20000) order by id ASC;
Go
```

Q.3 Extract Claim details for a specific period

```
Select id,amount_of_claim from claims
Where ((date_of_claim BETWEEN 'January 10, 2008' AND 'March 30, 2010')
AND amount_of_claim>200000);
GO
```

Utilizing Joins

Q.1 splay Claim details

```
select c.id , c.date_of_claim , c.amount_of_claim from claims c
inner join status ON c.status_id=status.id where status.description='Inprogress' ;
Go
```

Q.2 Display Customer with Policy details

```
Select customer.id ,  customer.first_name ,customer_policy.policy_start_date,
customer_policy.policy_renewal_date,customer_policy.premium_amount,
customer_policy.policy_value from customer Inner join customer_policy ON
customer.id=customer_policy.customer_id order by first_name,id ASC;
Go
```

Q.3 Extract the Customer with specific Policy details

```
select customer.id,customer.first_name,customer_policy.policy_start_date,
customer_policy.policy_renewal_date,customer_policy.premium_amount,
customer_policy.policy_value from ((customer inner join customer_policy
ON customer.id=customer_policy.customer_id)
inner join policy ON customer_policy.policy_id=policy.id AND policy.name IN ('Medical
Insurance','Vehicle Insurance'))
order by customer.id;
Go
```

Q.4 Display Customer and Policy details based on Name

```
select policy.name From customer,customer_policy,policy
Where (customer.first_name='Meena'
AND customer.last_name='Chowdhury'
AND customer.id=customer_policy.customer_id
AND customer_policy.policy_id=policy.id)
order by policy.name ASC;
Go
```

Aggregating Data / Advanced Data Aggregations / Built-In Functions

Q.1 Display the number of customers belonging to Bangalore

```
select count(*) as customer_count from customer, address
where (customer.address_id=address.id
AND address.city='Bangalore'
AND (customer.phone_number Like '7%'
OR customer.phone_number Like '8%'));
Go
```

Q.2 Display Customer info who have made maximum claims

```
select TOP 1 customer.first_name from ((customer
inner join customer_policy ON customer.id=customer_policy.customer_id )
inner join claims ON customer_policy.id=claims.customer_policy_id)
order by  claims.amount_of_claim DESC;
Go
```