**Coding Questions**

**Q.1 How to create table with same structure with data?**

Create table Employees as

select \* into Employees from Workers;

**Q.2 How to create table with same structure without data?**

Create table Employees as

select \* into Employees from Workers limit 0;

**Q.3 How to display Last 10 records from Student table.**

Select \* from Student S where rownum <=10

union

select \* from (Select \* from Student S order by rowid desc) where rownum <=10;

**And How to fetch maximum salary of Employee and minimum salary of Employee together from Employee table.**

select max(salary), min(salary) from Employee;

**Q.4 Create a SQL Table and Read it’s record by using Template.**

from jinjasql import JinjaSql

from six import string\_types

from copy import deepcopy

params = {

'Name': ‘Sri,

'Num': '1234'

}

j = JinjaSql(param\_style='pyformat')

query,bind\_params = j.prepare\_query(user\_transaction\_template,params)

print(query)

**Q.5 List the Students whose name starts with P and surname starts with S.**

Select \* from students where name like `P%` and surname like `S%`

**Q.6 How to fetch last record from Student table.**

SELECT TOP 1 \* FROM Student ORDER BY id DESC;

**Q.7 Give a Example with Sample Data for Common Table Expression.**

with cte (ProductID, Name, ProductDescriptionID, Description, Culture )

AS

(

    select p.ProductID, p.Name, d.ProductDescriptionID, pd.Description, c.Name

    from Production.Product as p

    join Production.ProductModelProductDescriptionCulture as d on p.ProductModelID = d.ProductModelD

    join Production.ProductDescription as pd on d.ProductDescriptionID = pd.ProductDescriptionID

    join Production.Culture as c on d.CultureID = c.CultureID

)

select \* from cte

**Q.8 Give a Example of Trigger Update & Delete Event.**

**Update:**

CREATE TRIGGER [dbo].[Customer\_UPDATE]

       ON [dbo].[Customers]

AFTER UPDATE

AS

BEGIN

       SET NOCOUNT ON;

       DECLARE @CustomerId INT

       DECLARE @Action VARCHAR(50)

       SELECT @CustomerId = INSERTED.CustomerId

       FROM INSERTED

       IF UPDATE(Name)

       BEGIN

              SET @Action = 'Updated Name'

       END

       IF UPDATE(Country)

       BEGIN

              SET @Action = 'Updated Country'

       END

       INSERT INTO CustomerLogs

       VALUES(@CustomerId, @Action)

END

**Delete:**

CREATE TRIGGER [dbo].[Customer\_DELETE]

       ON [dbo].[Customers]

AFTER DELETE

AS

BEGIN

       SET NOCOUNT ON;

       DECLARE @CustomerId INT

       SELECT @CustomerId = DELETED.CustomerId

       FROM DELETED

       INSERT INTO CustomerLogs

       VALUES(@CustomerId, 'Deleted')

END