# Hash Agile 2<sup>nd</sup> round-coding assessment

Language used: My SQL

2. createCollection(v_nameCollection)

Query:

```
CREATE TABLE Hash_jahnavi (
    EmpId VARCHAR(10) PRIMARY KEY,
    EmpName VARCHAR(20),
    Gender VARCHAR(10),
    Department VARCHAR(10)
);
```

3. createCollection(v_phoneCollection)

Query:

```
CREATE TABLE Hash_8056 (
    EmpId VARCHAR(10) PRIMARY KEY,
    PhoneNumber VARCHAR(12),
    Gender VARCHAR(10),
    Address VARCHAR(20)
);
```

** Inserting values into the Hash_jahnavi **

```
INSERT INTO Hash_jahnavi VALUES
("E02001","Anusha","Female","IT"),
("E02002","Mani","Male","CSE"),
("E02003","Rani","Female","CSE"),
```

("E02004","Vishnu","Male","IT"),

("E02005","Dharani","Female","IT") ;


 **inserting values into the Hash_8056**

INSERT INTO Hash_8056 VALUES

("E02001","1234567890","Female","HYD"),

("E02002","9876543210","Male","HYD"),

("E02003","1122334455","Female","HYD"),

("E02004","6677889900","Male","HYD"),

("E02005","1213141516","Female","HYD") ;


4. getEmpCount(v_nameCollection)

Query:

SELECT COUNT(*) AS EmpCount

FROM Hash_jahnavi ;


5. indexData(v_nameCollection,'Department')

Query:

CREATE INDEX  index_depat_name ON Hash_jahnavi(Department);


6. indexData(v_ phoneCollection, 'Gender')

Query:

CREATE INDEX Index_gender ON Hash_8056(Gender);

7. delEmpById (v_ nameCollection ,'E02003')

Query:

DELETE

From Hash_jahnavi

EmpId = 'E02003';

8. getEmpCount(v_nameCollection)

Query:

SELECT COUNT(*) AS EmpCount

FROM Hash_jahnavi;

9. searchByColumn(v_nameCollection,'Department','IT')

Query:

SELECT *

FROM Hash_jahnavi

WHERE Department = 'IT';

10. searchByColumn(v_nameCollection,'Gender' ,'Male')

Query:

SELECT *

FROM Hash_jahnavi

WHERE  Gender = 'Male';

11. searchByColumn(v_ phoneCollection,'Department','IT')

Query:

SELECT *

FROM Hash_8056

WHERE Department = 'IT';


12. getDepFacet(v_ nameCollection)

Query:

SELECT Department, COUNT(*)  AS Dept_count

FROM Hash_jahnavi

GROUP BY Department;


13. getDepFacet(v_ phoneCollection)

Query:

SELECT Department, COUNT(*) AS Dept_count

FROM Hash_8056

GROUP BY Department;