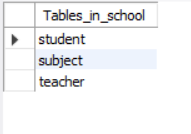
**NAME**: Om Vivek Gharge

**PRN**: 2020BTEIT00041

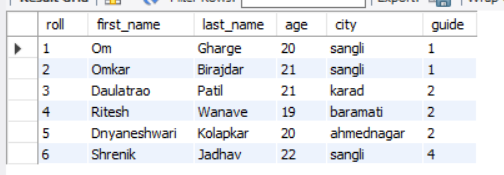
**SQL DATABASE:**

**Tables**:

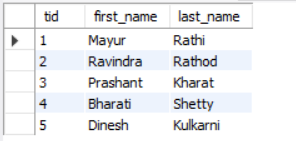
1. Tables in school:



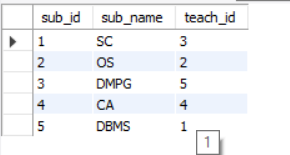
1. Student table:



1. Teachers table:



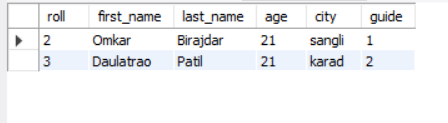
1. Subject table:



**Queries:**

1. **Logical Operator**

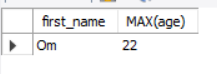
query = SELECT \* FROM student WHERE age >20 AND age<22



1. **Aggregation queries**

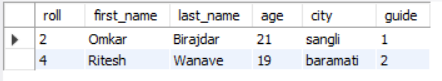
query =SELECT first\_name,MAX(age) FROM student;

To select tuple from student table with maximum age



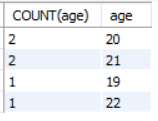
1. **Range operators**

query = SELECT \* FROM student WHERE roll IN(2,4);



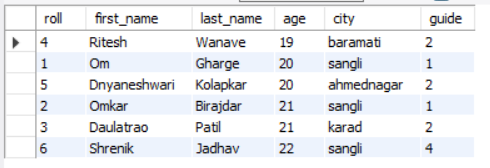
1. **Group by clause**

query = SELECT COUNT(age),age FROM student GROUP BY age;

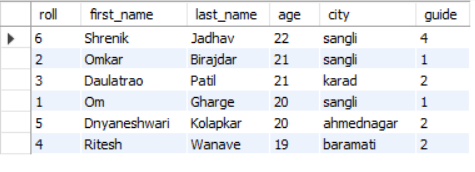


1. **Order by clause**

query = SELECT \* FROM student ORDER BY age;

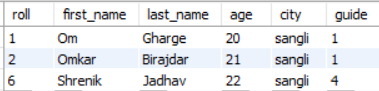


query = SELECT \* FROM student ORDER BY age DESC;



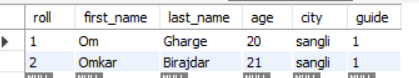
1. **Having clause**

SELECT \* FROM student HAVING city="sangli";



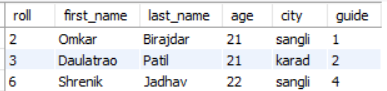
1. **Queries based on patterns**

query = SELECT \* FROM student WHERE first\_name LIKE “O%”;



1. **Nested Queries**

query = SELECT \* FROM student WHERE age >(SELECT AVG(age) FROM student);



(

Printing AVG:

Query = SELECT avg(age) as avg FROM student ;



)