**(A.Y. 2024-25)**

**MCA FY Sem I - Assessment 4 Programming Test**

**Course code – IT 13 Course Name Advance Database Management System**

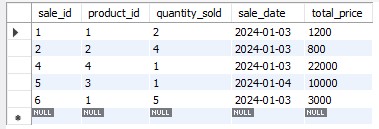
**Roll No. 2401055**

**Name – Ghatmal Prathmesh Jalindar**

**SET Name A**

**Q1**

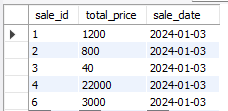
**1.SELECT \* FROM sales WHERE total\_price>100;**

****

**2.** **SELECT sale\_id,total\_price,sale\_date**

**FROM sales**

**WHERE sale\_date="2024-01-03";**

****

**3.** **SELECT sale\_id,product\_id,total\_price**

**FROM sales**

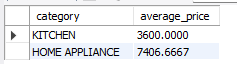
**WHERE quantity\_sold>4;**

****

**4.** **SELECT category,AVG(unit\_price) AS average\_price**

**FROM products**

**GROUP BY(category);**

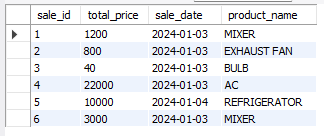
****

**5.** **SELECT**

**s.sale\_id,s.total\_price,s.sale\_date,p.product\_name**

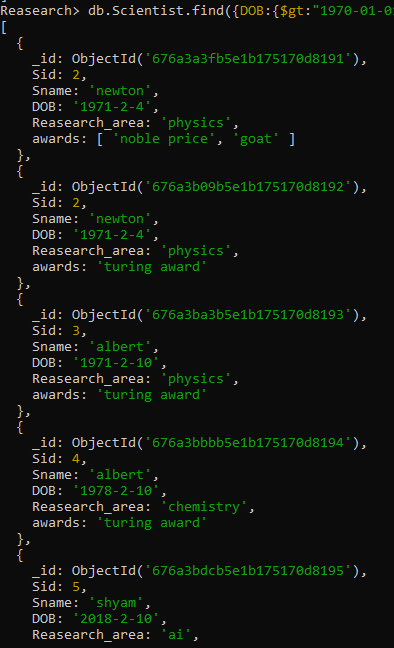
**FROM sales AS s JOIN PRODUCTS AS p**

**ON s.product\_id=p.product\_id;**

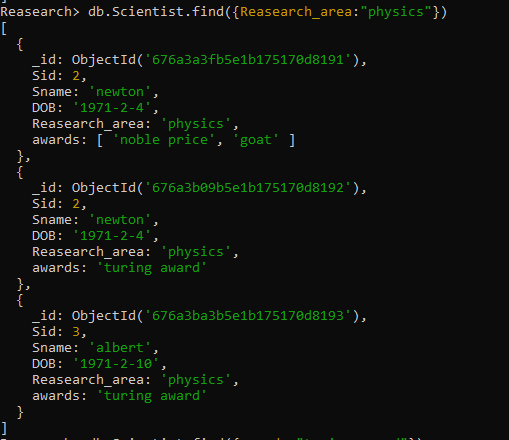
****

**Q2**

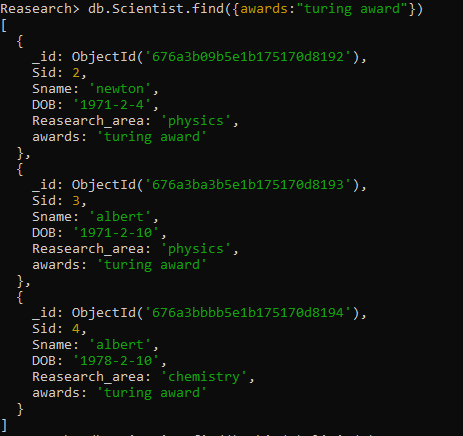
1. **db.Scientist.find({DOB:{$gt:"1970-01-01"}})**

****

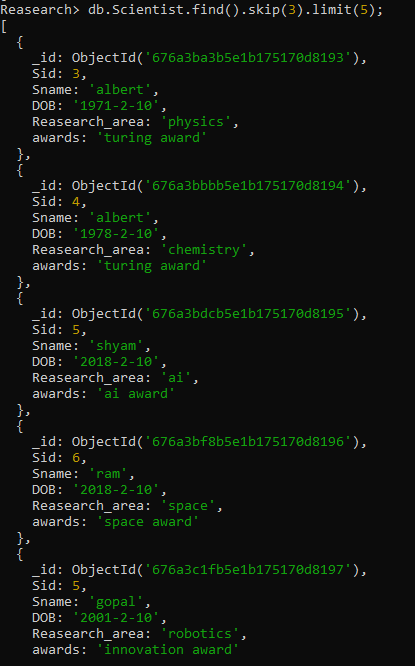
1. **db.Scientist.find({Reasearch\_area:"physics"})**

****

**3.db.Scientist.find({awards:"turing award"})**

****

**5. db.Scientist.find().skip(3).limit(5);**

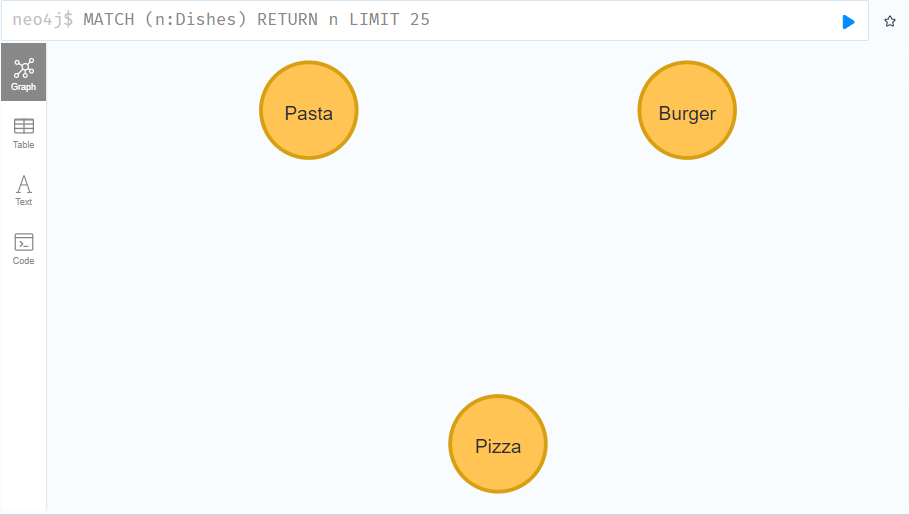
****

**Q3**

1. create (d1:Dishes{name:"Pizza"})

create (d2:Dishes{name:"Burger"})

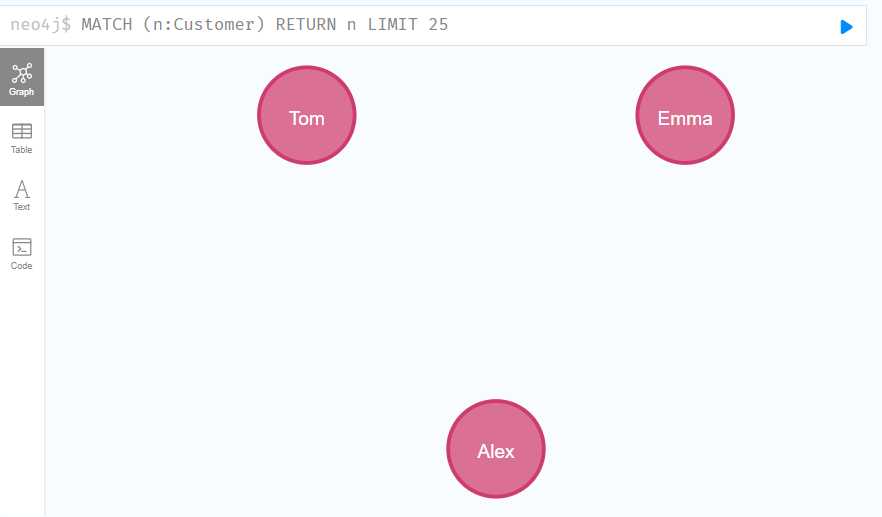
create (d3:Dishes{name:"Pasta"})



2.create(c1:Customer{name:"Alex"})

create(c2:Customer{name:"Emma"})

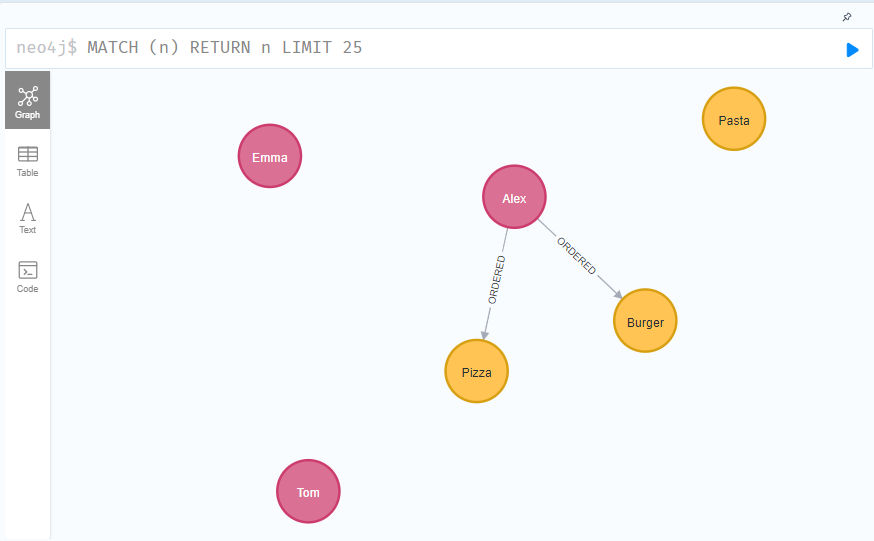
create(c3:Customer{name:"Tom"})



3.match(u:Customer{name:"Alex"}),(d1:Dishes{name:"Burger"}),(d2:Dishes{name:"Pizza"})

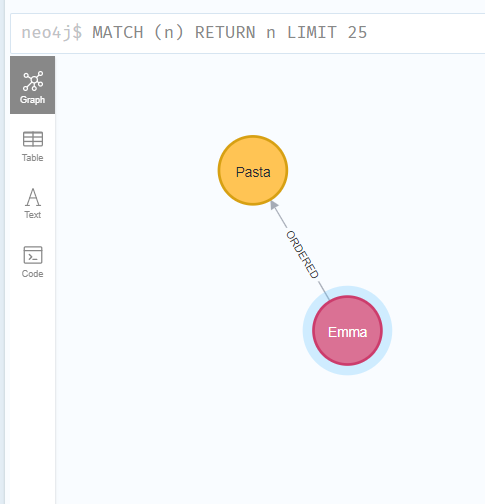
create(u)-[:ORDERED{time:"10am",price:"100",quantity:2}]->(d1)

create(u)-[:ORDERED{time:"10am",price:"100",quantity:2}]->(d2)



4.match(u:Customer{name:"Emma"}),(d1:Dishes{name:"Pasta"}),(d2:Dishes{name:"Pizza"})

create(u)-[:ORDERED{time:"11am",price:"100",quantity:1}]->(d1)



5. match(u:Customer{name:"Tom"}),(d1:Dishes{name:"Pizza"}),(d2:Dishes{name:"Pizza"})

create(u)-[:ORDERED{time:"12am",price:"200",quantity:1}]->(d1)

