

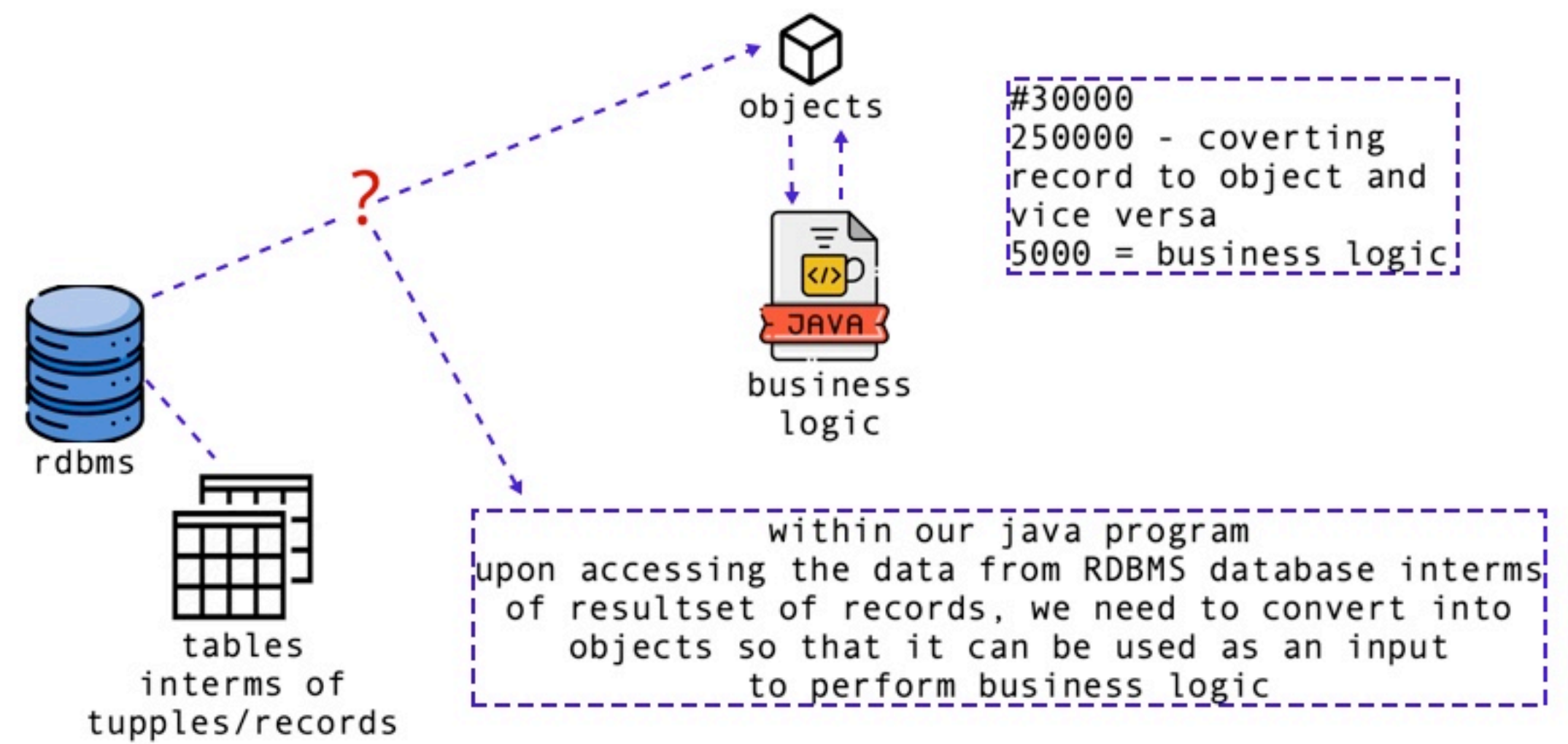
We need to use java jdbc api to access the data from RDBMS. Always JDBC api allows us to access the data from RDBMS database interms of ResultSet of records of data only.

Which means JDBC Api let us access the data from RDBMS database in relational format only. but we want java programs to access the data interms of objects, we dont want to access the data in underlying source system format.

```
class CustomerSale {  
    int cid;  
    String customerName;  
    String mobile;  
    String emailAddress;  
    String gender;  
    int sno;  
    Date saleDate;  
    int quantity;  
    double amount;  
}
```

```
class Sale {  
    int sno;  
    Date saleDate;  
    int quantity;  
    double amount;  
    // accessors  
}  
  
class CustomerSale {  
    int cno;  
    String customerName;  
    String mobileno;  
    String emailAddress;  
    String gender;  
    List<Sale> sales;  
    // accessors  
}
```

so in order to access the data interms of objects



| customer_no (pk) | customer_nm | mobile_nbr | email_address | gender |
|------------------|-------------|------------|--------------------|--------|
| c1 | anderson | 9383844 | anderson@gmail.com | male |
| c2 | peter | 93848494 | peter@yahoo.com | male |
| c3 | julie | 3938494 | joseph@live.com | female |

| sale_no | sale_dt | quantity | amount | customer_no (fk) |
|---------|------------|----------|--------|------------------|
| s1 | 2024-05-22 | 10 | 3500 | c1 |
| s2 | 2024-05-22 | 5 | 500 | c2 |
| s3 | 2024-05-22 | 7 | 1500 | c3 |
| s4 | 2024-05-21 | 13 | 800 | c1 |
| s5 | 2024-05-23 | 9 | 900 | c2 |
| s6 | 2024-05-19 | 11 | 1200 | c1 |

select c.*, s.* from customer c inner join sales s on c.customer_no = s.customer_no where c.gender like ?

| customer_no | customer_nm | mobile_nbr | email_address | gender | sale_no |
|-------------|-------------|------------|--------------------|--------|---------|
| c1 | anderson | 9383844 | anderson@gmail.com | male | s1 |
| c1 | anderson | 9383844 | anderson@gmail.com | male | s4 |
| c1 | anderson | 9383844 | anderson@gmail.com | male | s6 |
| c2 | peter | 93848494 | peter@yahoo.com | male | s2 |
| c2 | peter | 93848494 | peter@yahoo.com | male | s5 |