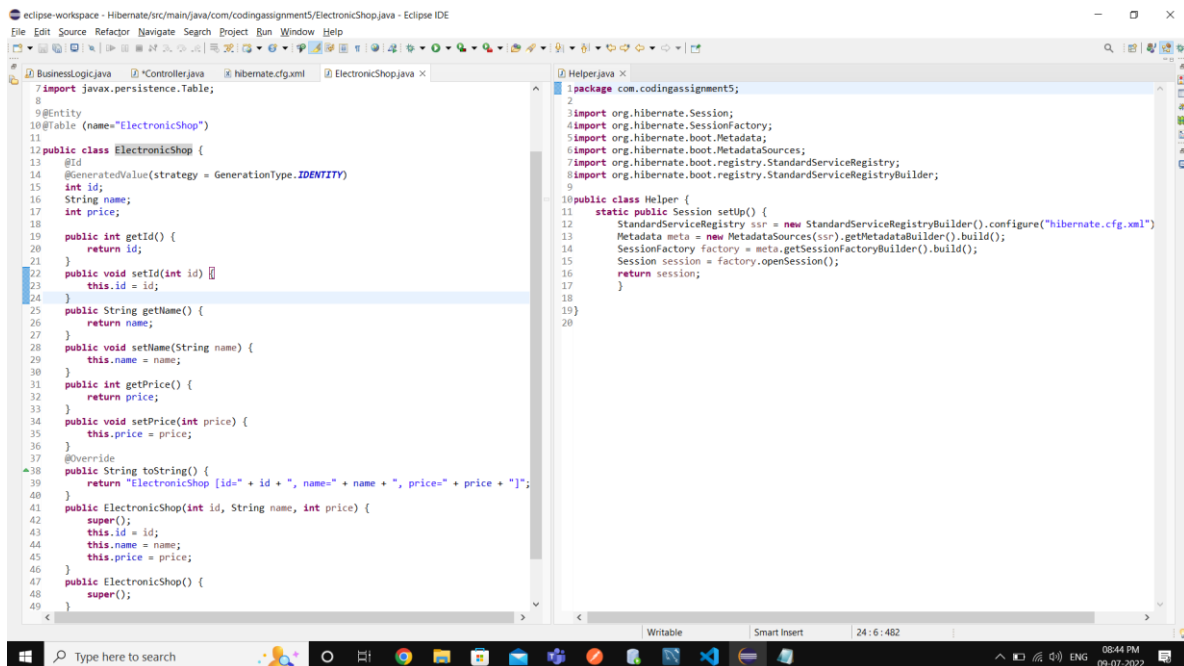


1Q). Hibernate Method



```
import javax.persistence.Table;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;

@Entity
@Table(name="ElectronicShop")
public class ElectronicShop {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    int id;
    String name;
    int price;

    public int getId() {
        return id;
    }

    public void setId(int id) {
        this.id = id;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

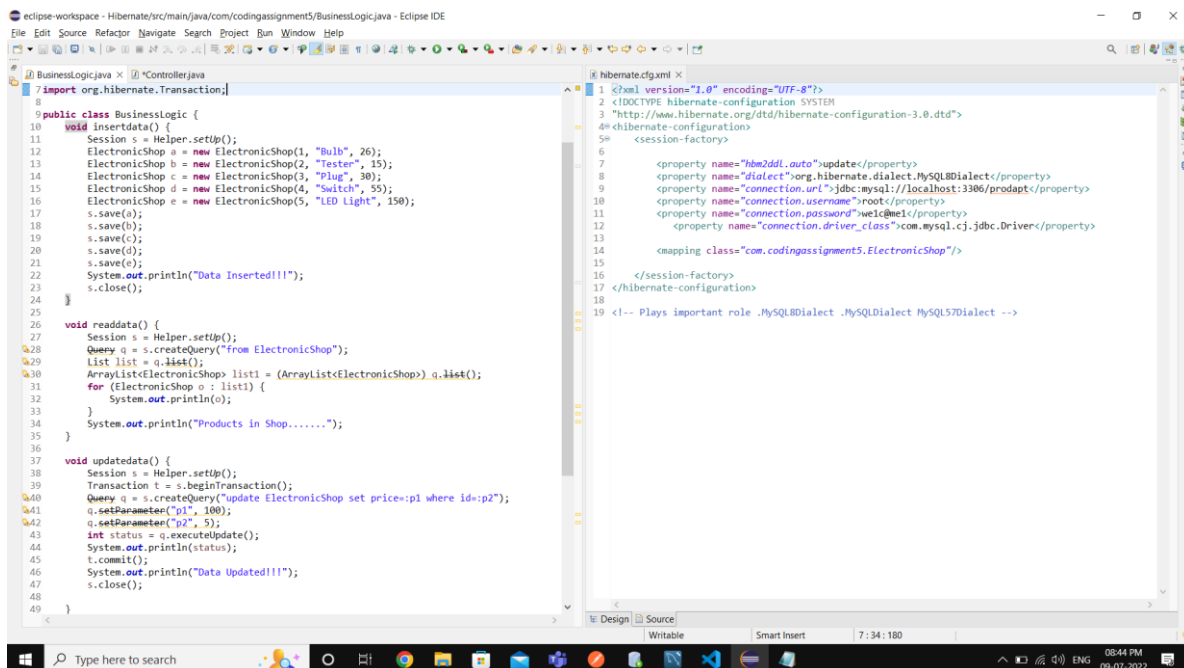
    public int getPrice() {
        return price;
    }

    public void setPrice(int price) {
        this.price = price;
    }

    @Override
    public String toString() {
        return "ElectronicShop [id=" + id + ", name=" + name + ", price=" + price + "]";
    }

    public ElectronicShop(int id, String name, int price) {
        super();
        this.id = id;
        this.name = name;
        this.price = price;
    }

    public ElectronicShop() {
        super();
    }
}
```

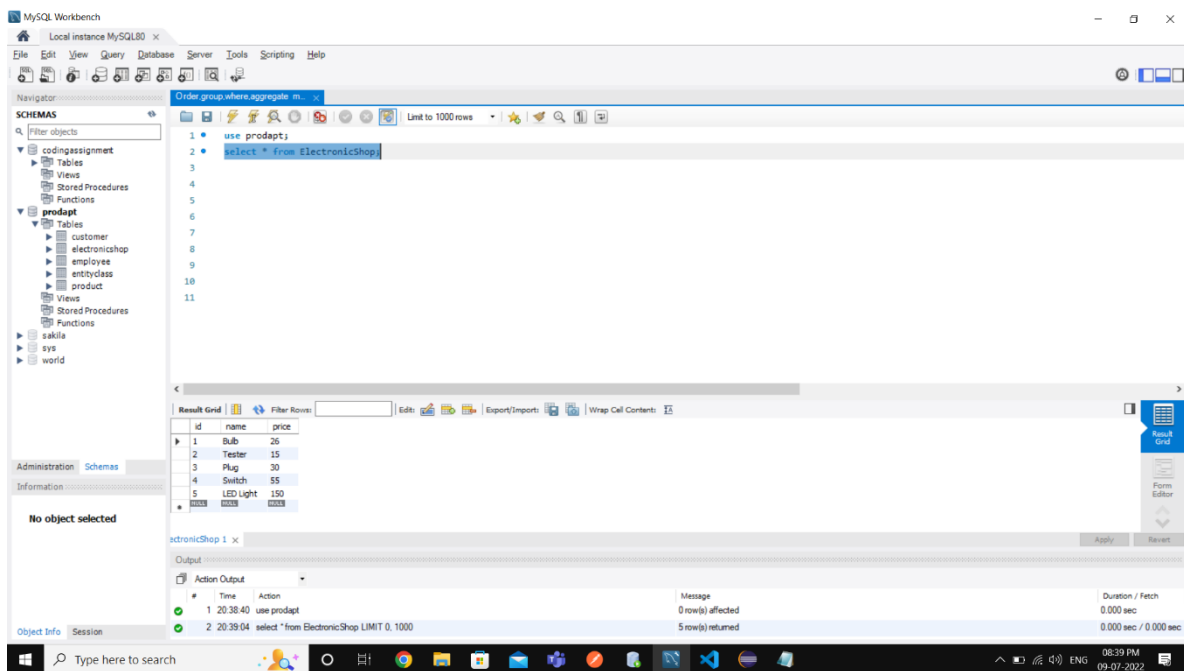
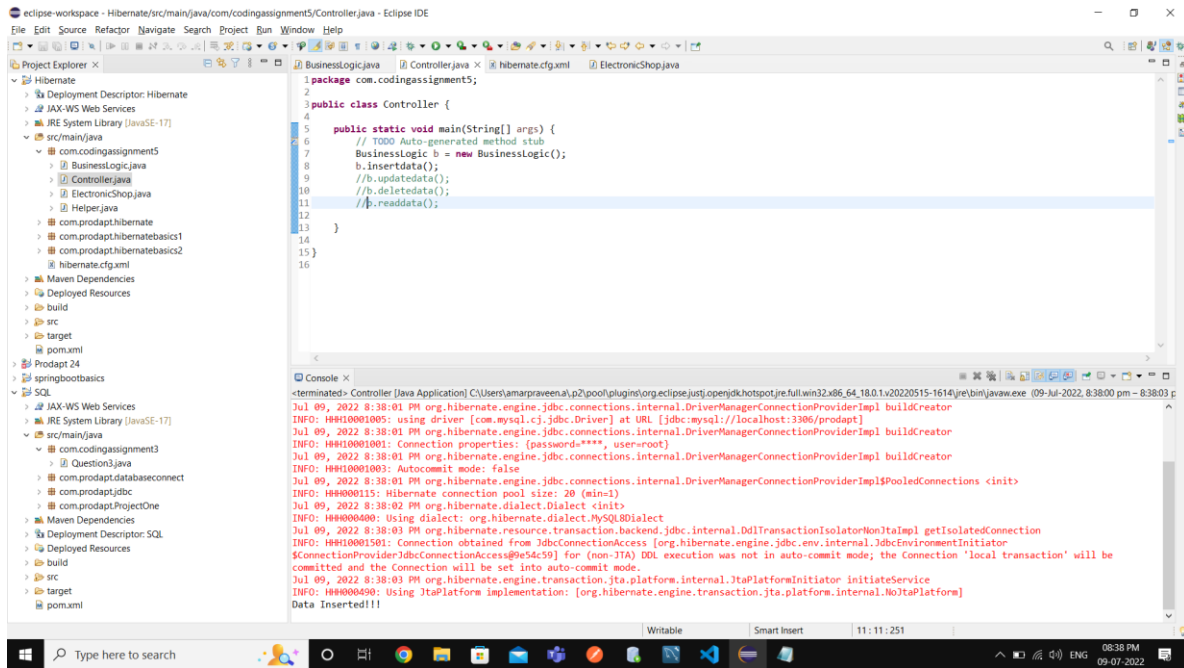


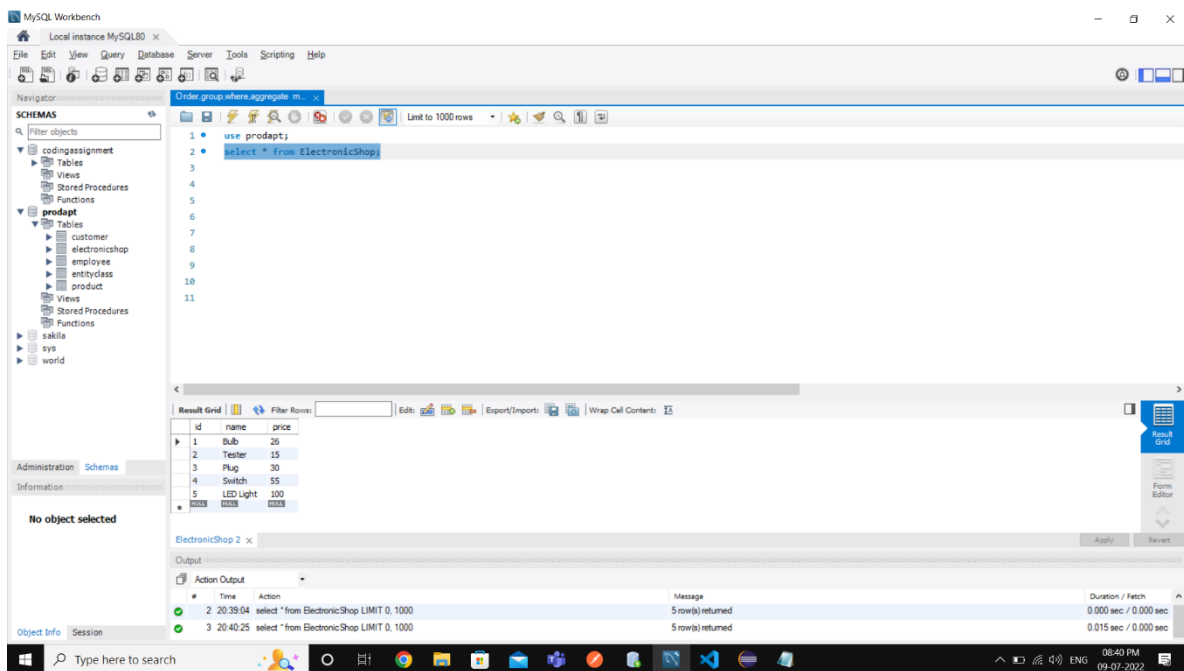
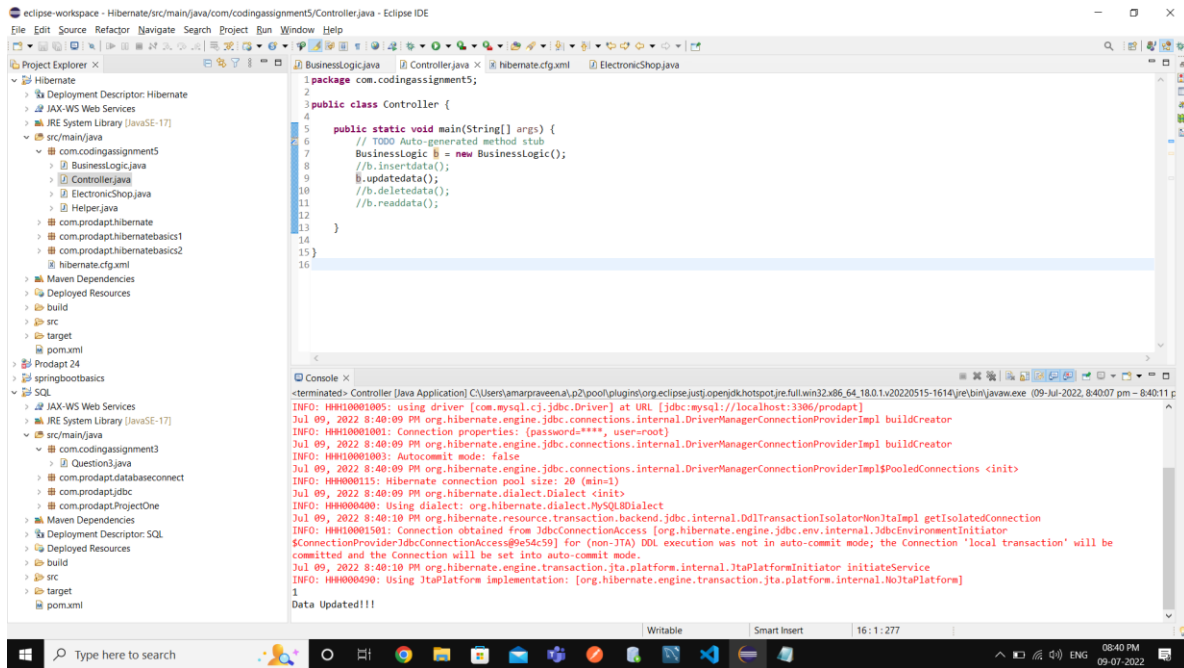
```
import org.hibernate.Session;
import org.hibernate.Transaction;

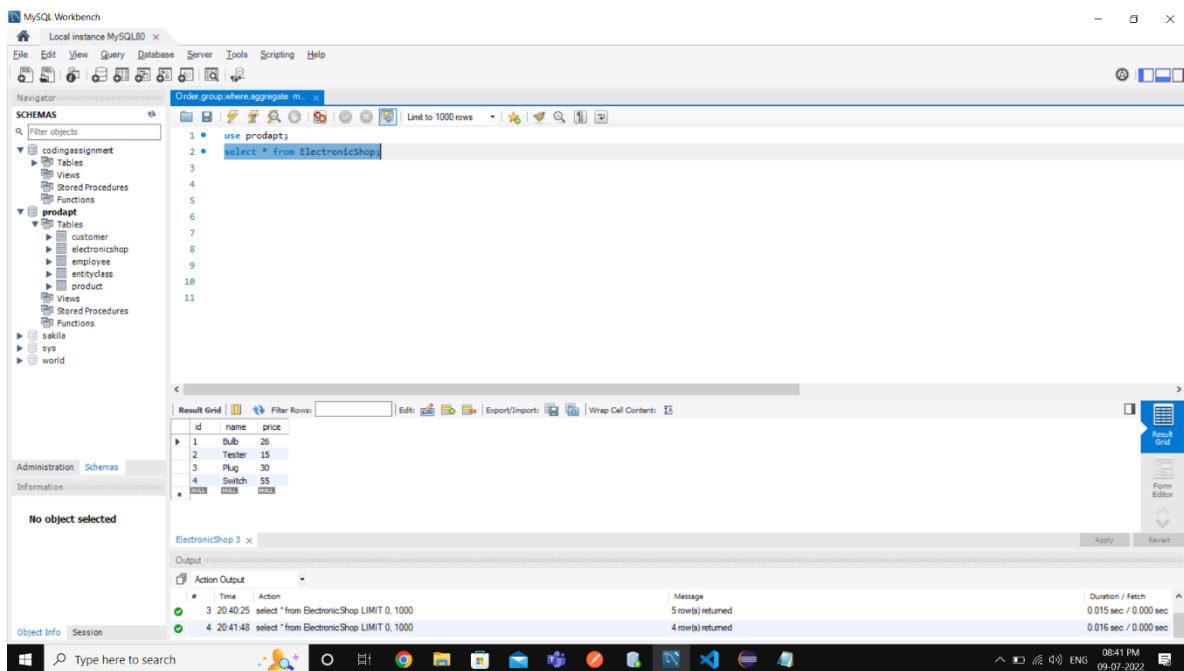
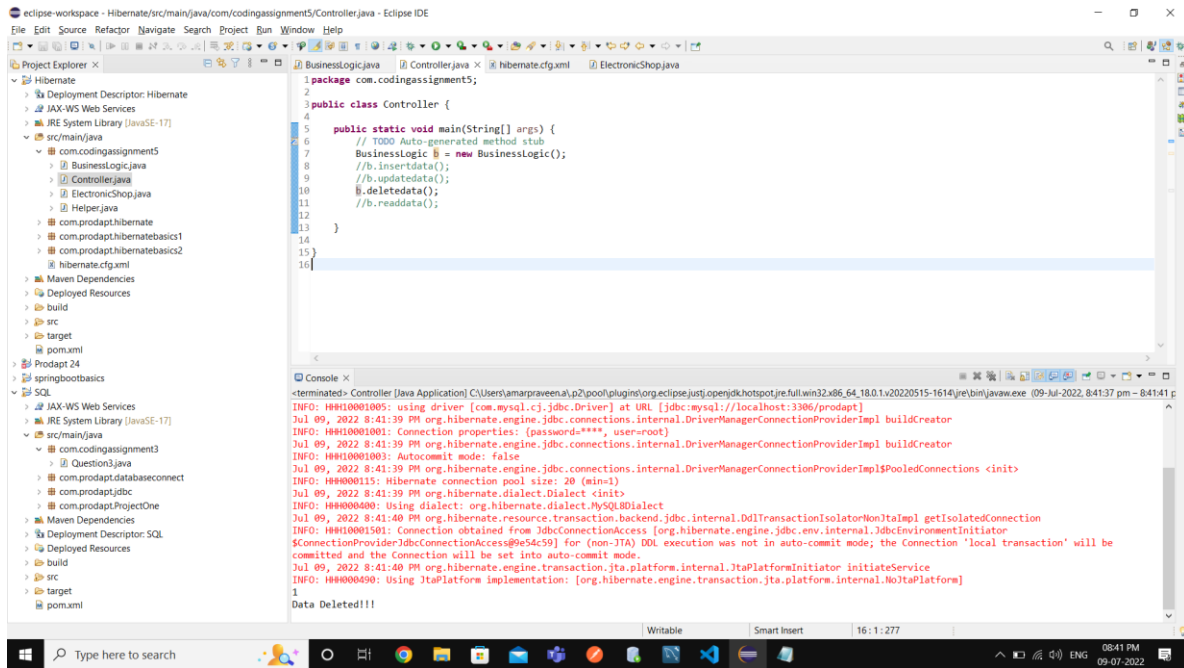
public class BusinessLogic {
    void insertdata() {
        Session s = Helper.setup();
        ElectronicShop a = new ElectronicShop(1, "Bulb", 26);
        ElectronicShop b = new ElectronicShop(2, "Tester", 15);
        ElectronicShop c = new ElectronicShop(3, "Plug", 30);
        ElectronicShop d = new ElectronicShop(4, "Switch", 55);
        ElectronicShop e = new ElectronicShop(5, "LED Light", 150);
        s.save(a);
        s.save(b);
        s.save(c);
        s.save(d);
        s.save(e);
        System.out.println("Data Inserted!!!");
        s.close();
    }

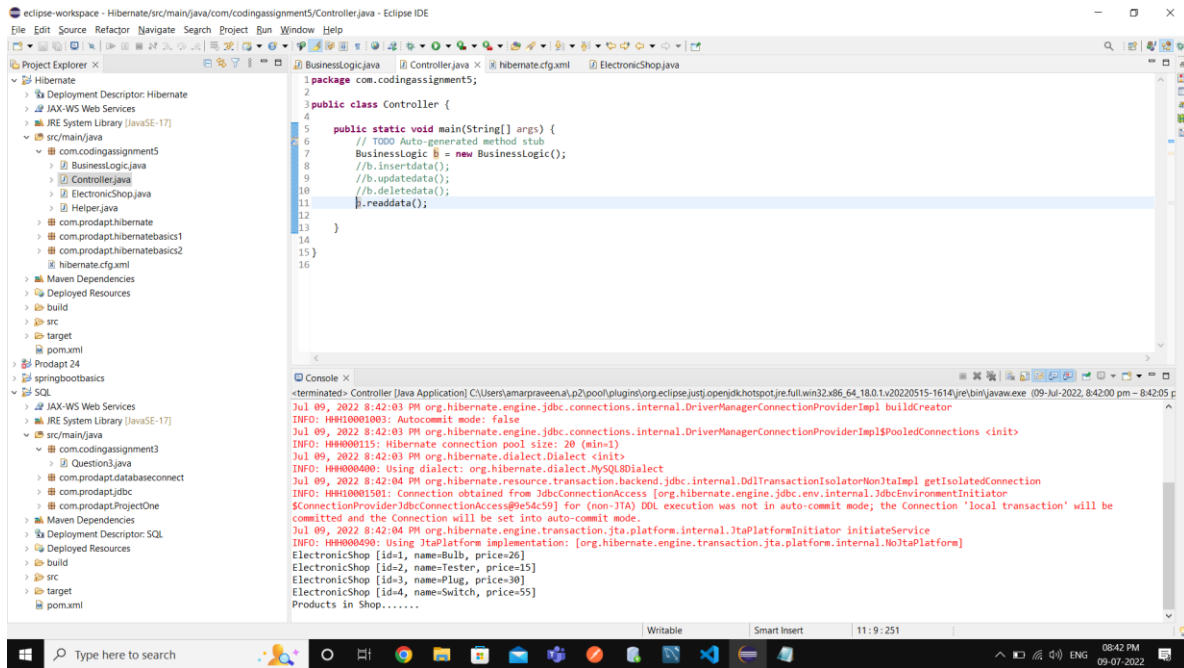
    void readdata() {
        Session s = Helper.setup();
        Query q = s.createQuery("from ElectronicShop");
        List list = q.list();
        ArrayList<ElectronicShop> list1 = (ArrayList<ElectronicShop>) q.list();
        for (ElectronicShop o : list1) {
            System.out.println(o);
        }
        System.out.println("Products in Shop.....");
    }

    void updatedata() {
        Session s = Helper.setup();
        Transaction t = s.beginTransaction();
        Query q = s.createQuery("update ElectronicShop set price=:p1 where id=:p2");
        q.setParameter("p1", 100);
        q.setParameter("p2", 5);
        int status = q.executeUpdate();
        System.out.println(status);
        t.commit();
        System.out.println("Data Updated!!!");
        s.close();
    }
}
```

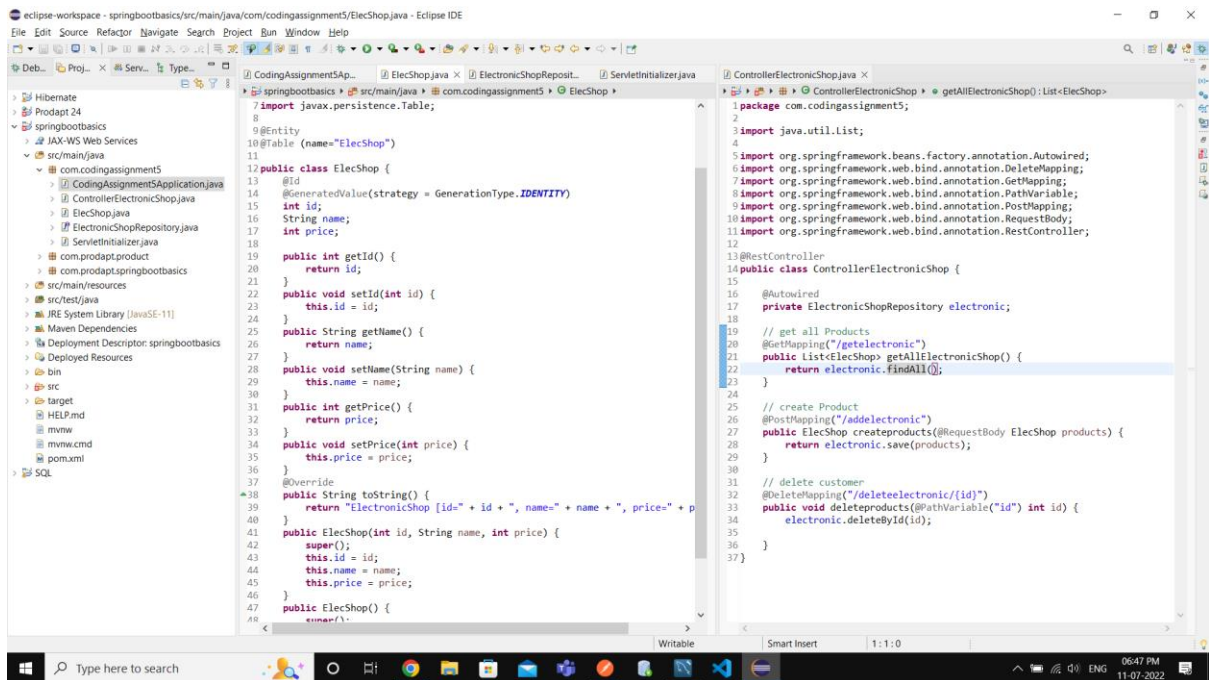




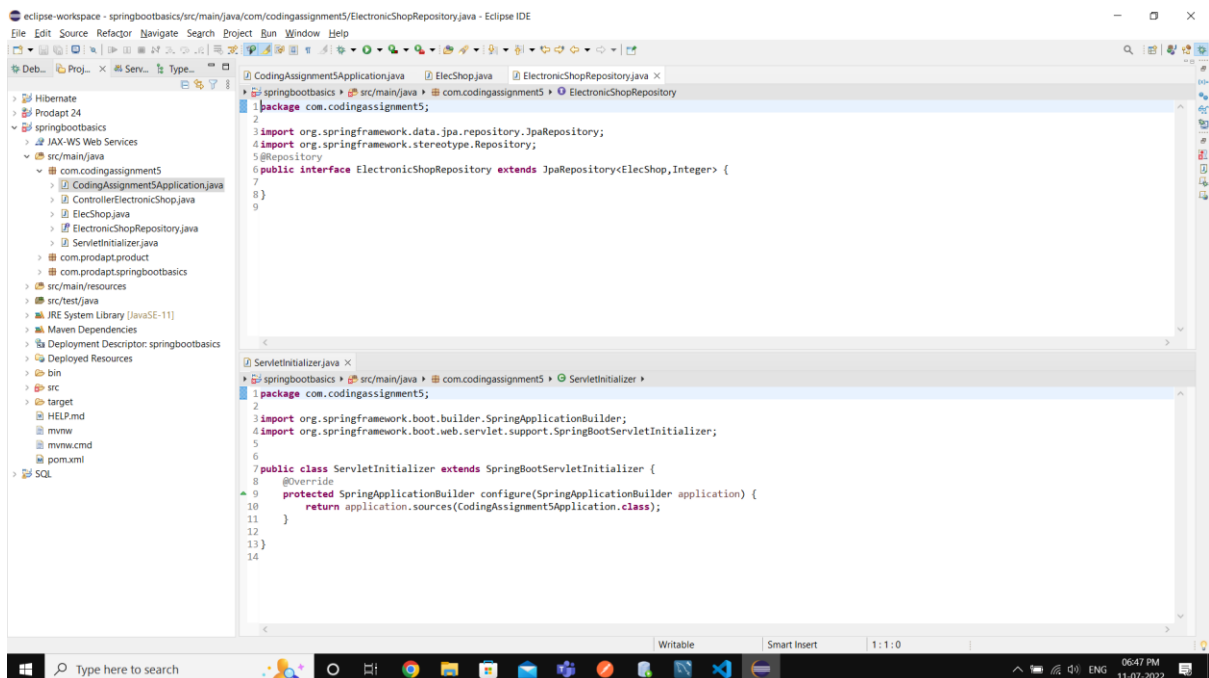




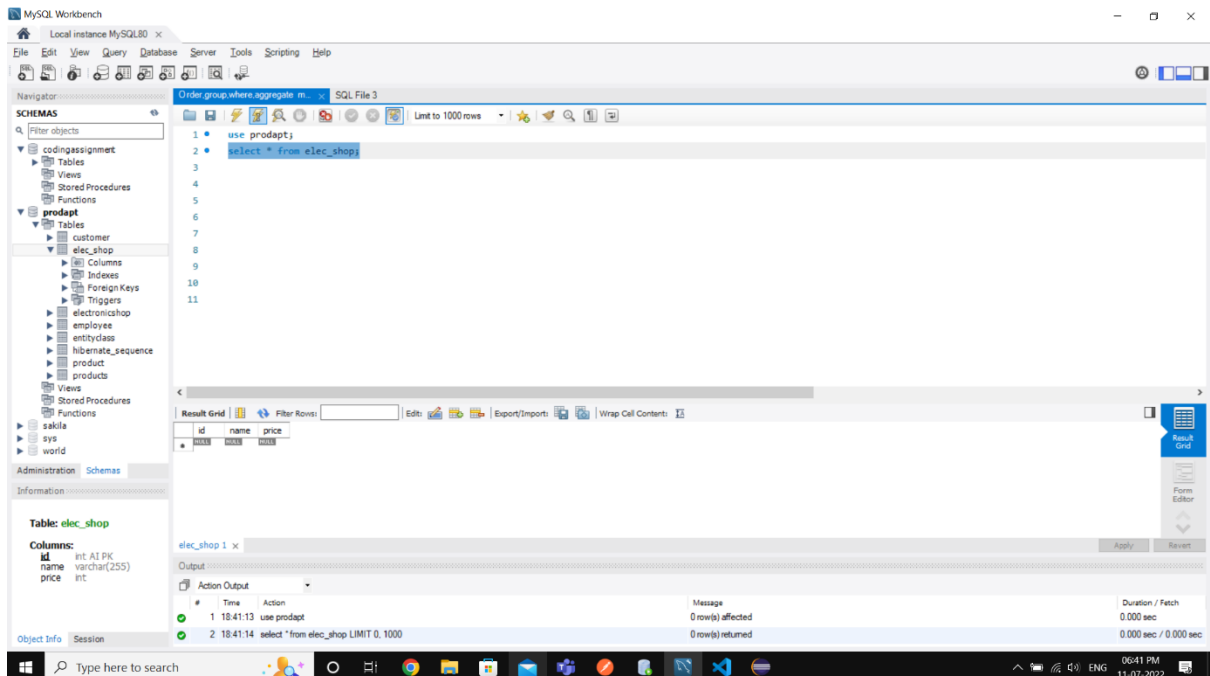
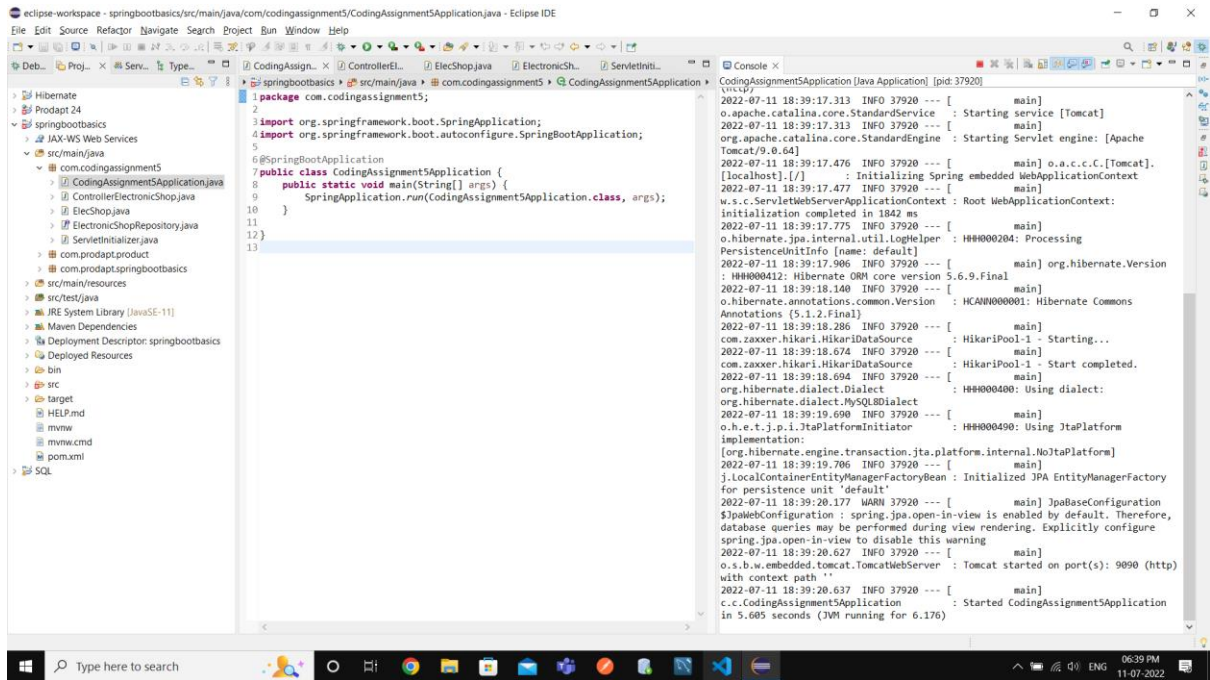
2Q). Spring Boot Method

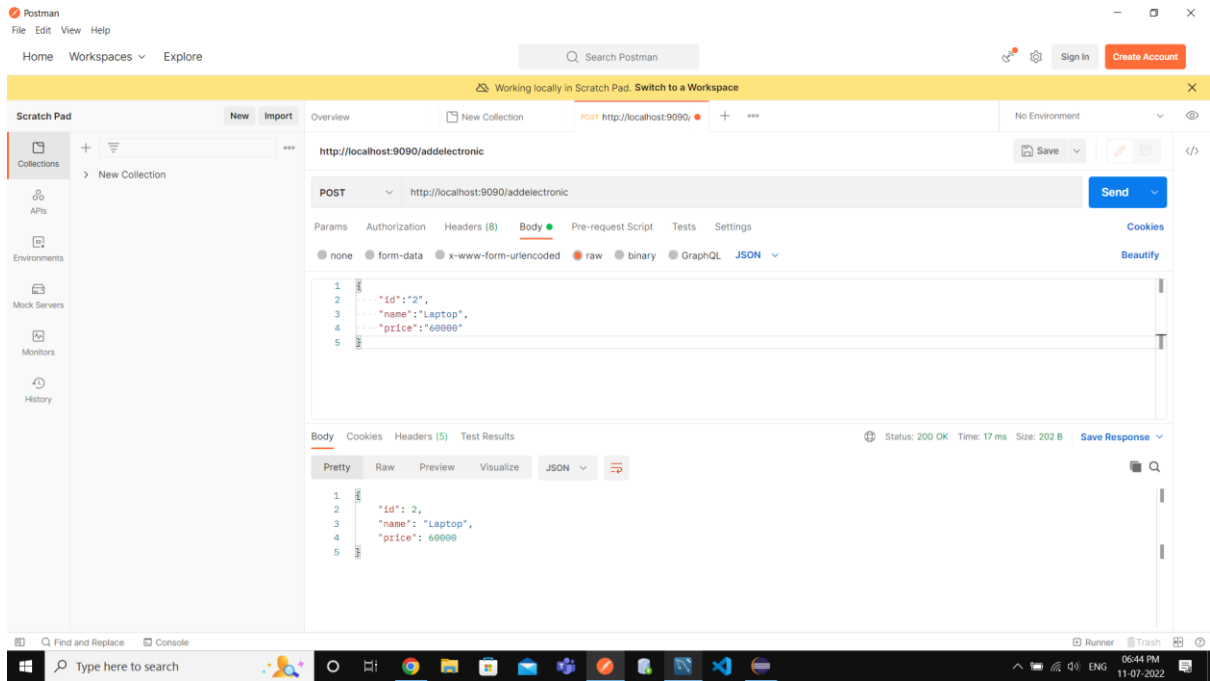


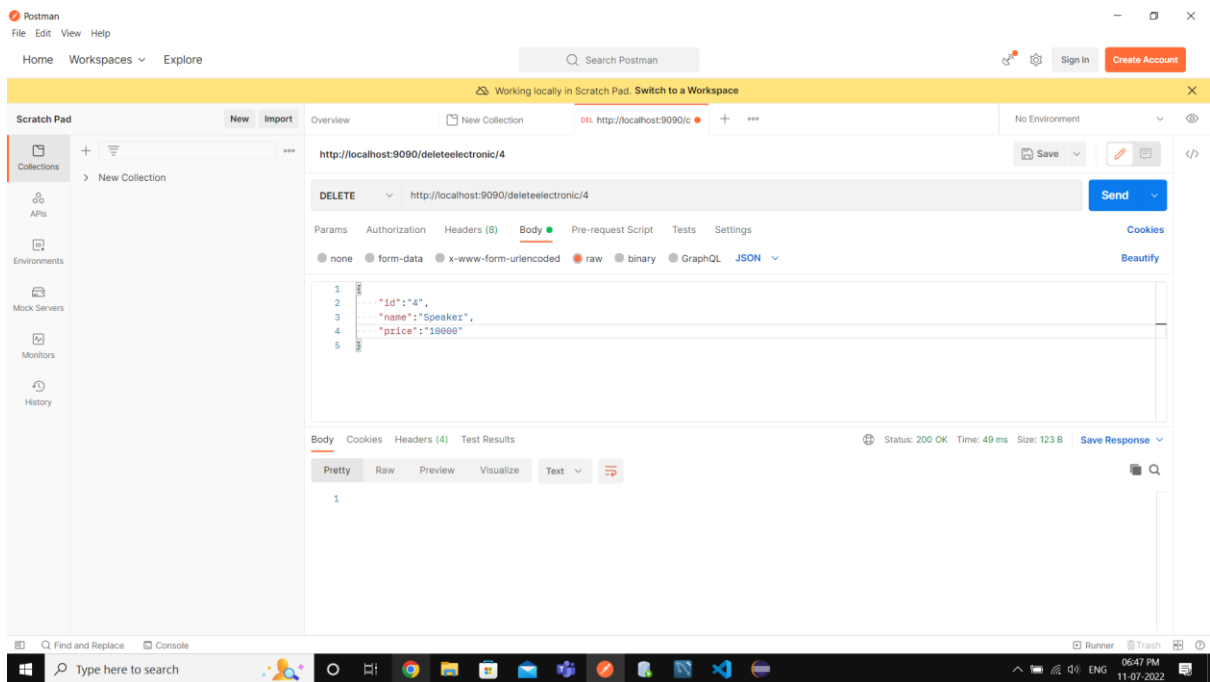
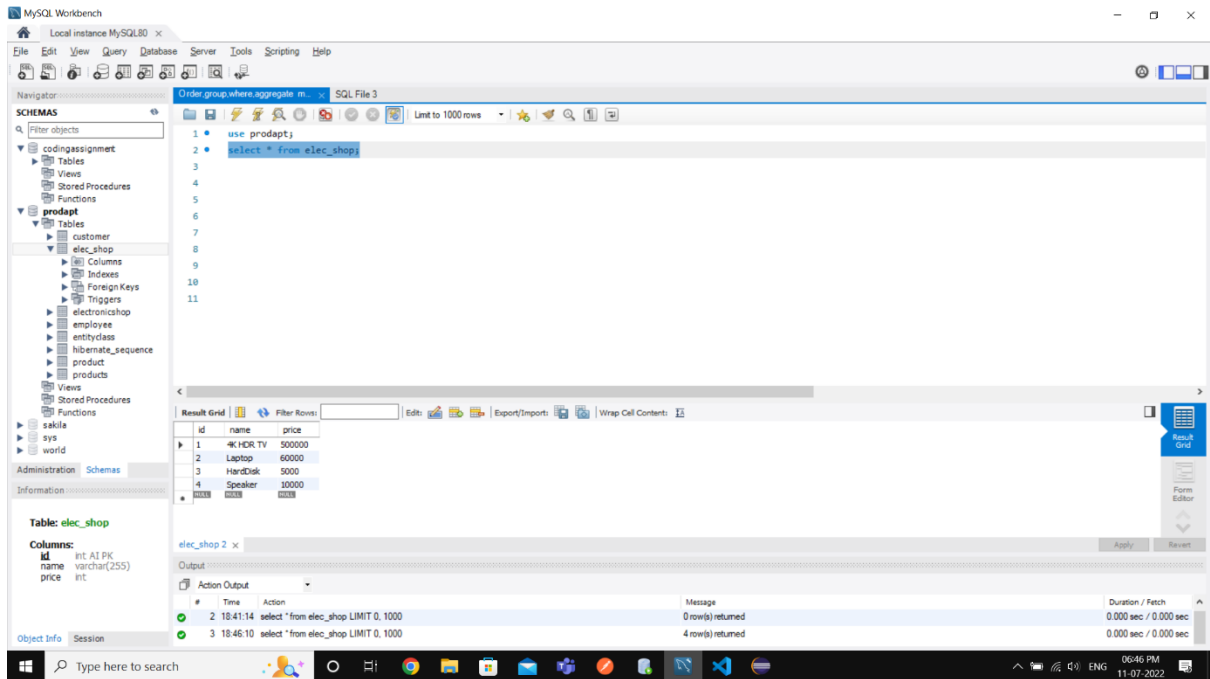
```
1 import javax.persistence.Table;
2
3 @Entity
4 @Table(name="ElecShop")
5
6 public class ElecShop {
7     @Id
8     @GeneratedValue(strategy = GenerationType.IDENTITY)
9     int id;
10    String name;
11    int price;
12
13    public int getId() {
14        return id;
15    }
16
17    public void setId(int id) {
18        this.id = id;
19    }
20
21    public String getName() {
22        return name;
23    }
24
25    public void setName(String name) {
26        this.name = name;
27    }
28
29    public int getPrice() {
30        return price;
31    }
32
33    public void setPrice(int price) {
34        this.price = price;
35    }
36
37    @Override
38    public String toString() {
39        return "ElecShop [id=" + id + ", name=" + name + ", price=" + price + "]";
40    }
41
42    public ElecShop(int id, String name, int price) {
43        super();
44        this.id = id;
45        this.name = name;
46        this.price = price;
47    }
48
49    public ElecShop() {
50        super();
51    }
52}
```



```
1 package com.codingassignment5;
2
3 import org.springframework.data.jpa.repository.JpaRepository;
4 import org.springframework.stereotype.Repository;
5
6 @Repository
7 public interface ElectronicShopRepository extends JpaRepository<ElecShop, Integer> {
8
9 }
10
11
12
13
14
```







MySQL Workbench

Local instance MySQL80 x

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Navigator

Filter objects

SCHEMAS

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 - product
 - products
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 - Stored Procedures
 - Functions
- skala
- sys
- world

Administration Schemas

Information

Table: elec_shop

Columns:

- id: int(11) PK
- name: varchar(255)
- price: int

SQL File 3

```
1 use prodapt;
2 select * from elec_shop;
```

Limit to 1000 rows

Result Grid

#	id	name	price
1	1	4K HDR TV	500000
2	2	Laptop	600000
3	3	HardDisk	5000

elec_shop 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	18:46:10	select * from elec_shop LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
4	18:47:12	select * from elec_shop LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Type here to search

06:47 PM 11-07-2022