```java
@Component
public class ProductDAO {

    @Autowired
    private JdbcTemplate jdbcTemplate;

    private static final String TABLE_NAME = "product";

    public void add(Product product) {

        String insertSQL = "INSERT INTO " + TABLE_NAME + "(name, category, price) VALUES(?,?,?)";

        jdbcTemplate.update(insertSQL,  product.getName(), product.getCategory(), product.getPrice());

    }

    public void update(Product product) {

        String updateSQL = "UPDATE " + TABLE_NAME + " SET name=?, category=?, price=? WHERE id=?";

        jdbcTemplate.update(updateSQL, product.getName(), product.getCategory(), product.getPrice(), product.getId());

    }

    public void delete(long productID) {

        String deleteSQL = "DELETE FROM " + TABLE_NAME + " WHERE id=?";
```

```java
        jdbcTemplate.update(deleteSQL, productID);

    }


    public Product findById(long productID) {

        String selectSQL = "SELECT * FROM " + TABLE_NAME + " WHERE id=?";

        Product emp = jdbcTemplate.queryForObject(selectSQL, new Object[] { productID },
            new BeanPropertyRowMapper<>(Product.class));

        return emp;

    }


    public List<Product> findAll() {

        String selectSQL = "SELECT * FROM " + TABLE_NAME;

        List<Product> empList = jdbcTemplate.query(selectSQL, new
BeanPropertyRowMapper<>(Product.class));
        return empList;

    }

}
```