interface CustomerRepository {

String findCustomerById(int id);

}

class CustomerRepositoryImpl implements CustomerRepository {

@Override

public String findCustomerById(int id) {

return "Customer{id=" + id + ", name='John Doe'}";

}

}

class CustomerService {

private CustomerRepository customerRepository;

public CustomerService(CustomerRepository customerRepository) {

this.customerRepository = customerRepository;

}

public void displayCustomer(int id) {

String customer = customerRepository.findCustomerById(id);

System.out.println(customer);

}

}

public class Main {

public static void main(String[] args) {

CustomerRepository repository = new CustomerRepositoryImpl();

CustomerService service = new CustomerService(repository);

service.displayCustomer(101);

}

}

OUTPUT:

