**Exercise 11: Implementing Dependency Injection**

**Code:**

**CustomerRepository Interface: -**

public interface CustomerRepository {  
 String findCustomerById(int id);  
}

**CustomerRepositoryImp Class: -**

public class CustomerRepositoryImpl implements CustomerRepository{  
 @Override  
 public String findCustomerById(int id) {  
 return "Customer with id:"+ id+" is Ria";  
 }  
}

**CustomerService Class: -**

public 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 Info: " + customer);  
 }  
}

**Main Class: -**

public class Main {  
 public static void main(String[] args){  
 CustomerRepository repository=new CustomerRepositoryImpl();  
 CustomerService service=new CustomerService(repository);  
 service.displayCustomer(1);  
 }  
}

**Output:**

**A screenshot of a computer program

AI-generated content may be incorrect.**