DependencyInjection.java > Java > CustomerService > CustomerService(CustomerRepository customerRepository)

```java
import java.util.Scanner;
interface CustomerRepository {
    Customer findCustomerById(int id);
}
class CustomerRepositoryImpl implements CustomerRepository {
    @Override
    public Customer findCustomerById(int id) {
        if (id == 1) return new Customer(id:1, name:"Sahana");
        if (id == 2) return new Customer(id:2, name:"Rahul");
        return null;
    }
}
class Customer {
    private int id;
    private String name;

    public Customer(int id, String name) {
        this.id = id;
        this.name = name;
    }

    public int getId() { return id; }
    public String getName() { return name; }
}
class CustomerService {
    private final CustomerRepository customerRepository;
    public CustomerService(CustomerRepository customerRepository) {
        this.customerRepository = customerRepository;
    }
```

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DependencyInjection.java > Java > CustomerService > CustomerService(CustomerRepository customerRepository)

```java
class CustomerService {
    public CustomerService(CustomerRepository customerRepository) {
    }
    public void printCustomerDetails(int id) {
        Customer customer = customerRepository.findCustomerById(id);
        if (customer != null) {
            System.out.println("Customer Found: ID = " + customer.getId() + ", Name = " + customer.getName());
        } else {
            System.out.println(x:"Customer not found.");
        }
    }
}
public class DependencyInjection {
    Run main | Debug main | Run | Debug
    public static void main(String[] args) {
        CustomerRepository repository = new CustomerRepositoryImpl();
        CustomerService service = new CustomerService(repository);
        Scanner scanner = new Scanner(System.in);
        System.out.print(s:"Enter Customer ID: ");
        int id = scanner.nextInt();
        service.printCustomerDetails(id);
        scanner.close();
    }
}
```

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DependencyInjection.java > Java > CustomerService > printCustomerDetails(int id)

```
25  class CustomerService {
29      }
30      public void printCustomerDetails(int id) {
```

PROBLEMS 31 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS

Run: DependencyInjection

```
PS C:\cognizant>  & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users
\sahan\AppData\Roaming\Code\User\workspaceStorage\5c120c78ee1edadaac7ff33613f965a8\redhat.java\jdt_ws\cognizant_43b6ceb\bin' 'DependencyInje
ction'
Enter Customer ID: 1
Customer Found: ID = 1, Name = Sahana
PS C:\cognizant> ^C
PS C:\cognizant>
PS C:\cognizant>  c:; cd 'c:\cognizant'; & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMe
ssages' '-cp' 'C:\Users\sahan\AppData\Roaming\Code\User\workspaceStorage\5c120c78ee1edadaac7ff33613f965a8\redhat.java\jdt_ws\cognizant_43b6c
eb\bin' 'DependencyInjection'
Enter Customer ID: 200
Customer not found.
PS C:\cognizant>
```

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