**package** DependencyInjection;

**public** **interface** CustomerRepository {

String findCustomerById(String customerId);

}

**package** DependencyInjection;

**public** **class** CustomerRepositoryImpl **implements** CustomerRepository {

**public** String findCustomerById(String customerId) {

**return** "Customer[ID=" + customerId + ", Name= abcd]";

}

}

**package** DependencyInjection;

**public** **class** CustomerService {

**private** CustomerRepository repository;

**public** CustomerService(CustomerRepository repository) {

**this**.repository = repository;

}

**public** **void** showCustomer(String customerId) {

String customerInfo = repository.findCustomerById(customerId);

System.***out***.println("Retrieved: " + customerInfo);

}

}

**package** DependencyInjection;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

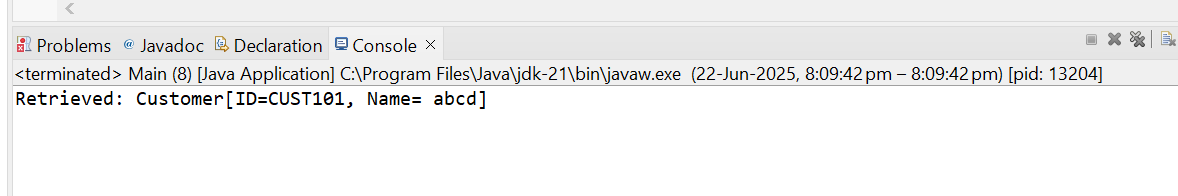
CustomerRepository repository = **new** CustomerRepositoryImpl();

CustomerService service = **new** CustomerService(repository);

service.showCustomer("CUST101");

}

}

**OUTPUT:  
  
**