**package** DependencyInjectionExample;

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

String findCustomerById(String id);

}

**package** DependencyInjectionExample;

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

**public** String findCustomerById(String id) {

**return** "Customer with ID: " + id;

}

}

**package** DependencyInjectionExample;

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

**private** CustomerRepository repository;

**public** CustomerService(CustomerRepository repository) {

**this**.repository = repository;

}

**public** **void** displayCustomer(String id) {

String customer = repository.findCustomerById(id);

System.***out***.println(customer);

}

}

**package** DependencyInjectionExample;

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

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

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

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

service.displayCustomer("C101");

}

}

