**Solid Design Principles OCP Activity**

Let us say we are developing Notification Service App and the class is like below

**public** **class** NotificationService {

**public** **void** sendOTP(String medium) {

**if**(medium.equals("email")) {

// write email related logic

}

}

}

If we want to introduce send OTP medium as Phone or WhatsApp, then you need to change the implementation of this class.

Hence it is not suggested to modify Notification service for every OTP feature.

So, to overcome this problem you need design your code in such way that everyone can reuse your feature by just extending it and if they need any customization, they can extend it and add their feature on top of it like an abstraction.

**Task 2:** Design Notification service in such way that everyone reuses your feature by

extending and they want to customization they can do that in the notification service

**Note:** In the given application solid-task where you can find package called

**com.epam.ocp.activity.solution** design your code in that package.