

factory Method

```
public interface Notification {
    public String notifyMessage();
}
public abstract class NotificationFactory {
    public abstract Notification createNotification();
}
public class EmailNotification implements Notification {
    @Override
    public String notifyMessage() {
        return ".....email notification.....";
    }
}
public class EmailNotificationFactory extends NotificationFactory {
    @Override
    public Notification createNotification() {
        return new EmailNotification();
    }
}
public class SMSNotification implements Notification {
    @Override
    public String notifyMessage() {
        return ".....sms notification.....";
    }
}
public class SMSNotificationFactory extends NotificationFactory {
    @Override
    public Notification createNotification() {
        return new SMSNotification();
    }
}
public class Main {
    public static void main(String[] args) {
        new Main().go();
    }
    void go() {
        System.out.println(
            new EmailNotificationFactory().createNotification().notifyMessage());
        // oppure
        NotificationFactory factory = new SMSNotificationFactory();
        Notification notification = factory.createNotification();
        System.out.println(notification.notifyMessage());
    }
}
```