

You are building a simple **notification system** using **Spring Core**. The system should be able to send notifications via different channels (Email, SMS, Push). Your task is to implement the system using **Dependency Injection (DI)** principles.

You must:

1. Define a NotificationService interface.
2. Create three implementations: EmailNotification, SMSNotification, and PushNotification.
3. Create a NotificationManager class that uses DI to send notifications.
4. Use **constructor-based DI** to inject the desired implementation.
5. Configure the beans using **XML-based Spring configuration**.

Input Format

There is no user input. You will simulate the behavior by calling the sendNotification() method from the main class.

Output Format

The output should be a single line indicating the type of notification sent. For example:

Sending Email Notification...

Sample Test Case

Main Class:

```
ApplicationContext context = new ClassPathXmlApplicationContext("beans.xml");
NotificationManager manager = context.getBean("notificationManager", NotificationManager.class);
manager.sendNotification();
```

Expected Output:

Sending SMS Notification...

Constraints

- Use only **Spring Core** (no Spring Boot).
- Use **XML configuration** for bean wiring.
- Use **constructor-based DI** only.