

```
abstract class Notification
```

```
case class SMS(mobile: String, msg: String) extends Notification
```

```
case class Email(emailAddr: String, subject: String, body: String) extends Notification
```

```
object Pattern{
```

```
    def showNotification(notification: Notification): String = {
```

```
        notification match{
```

```
            case Email(emailAddr, subject, _) =>
```

```
                s"You got an email from $emailAddr with subject: $subject"
```

```
            case SMS(number, message) =>
```

```
                s"You got a SMS from $number! Message: $message"
```

```
        }
```

```
    }
```

```
    def main(args: Array[String]):Unit = {
```

```
        val someSMS = SMS("12345", "Are you there?")
```

```
        val someEmail = Email("xyz@nmit.ac.in", "Big data course syllabus", "Intro to  
Big data, NoSQL Databases, Spark RDDS, SQL, Streaming")
```

```
        println(showNotification(someSMS))
```

```
        println(showNotification(someEmail))
```

```
    }
```

```
}
```