

```
public class InputValidationUsingRegex {
public static void main(String[] args) {
//create a pattern for mobile number
String inputPatternForMobile = "[6-9]\\d{9}";
//create reference variable of pattern
Pattern pattern = null;
Matcher matcher = null;
String validMobileNumber = "9865321540";
pattern = Pattern.compile(inputPatternForMobile);
matcher = pattern.matcher(validMobileNumber);
System.out.println("9865321540 is valid mobile number? " + matcher.matches());
String invalidMobileNumber = "5896325412";
pattern = Pattern.compile(inputPatternForMobile);
matcher = pattern.matcher(invalidMobileNumber);
System.out.println("5896325412 is valid mobile number? " + matcher.matches());
System.out.println();
String inputPatternForName = "[A-Za-z\\s]+$";
String validName = "Ajay Khanna";
pattern = Pattern.compile(inputPatternForName);
matcher = pattern.matcher(validName);
System.out.println("Ajay Khanna is valid name? " + matcher.matches());
String inValidName = "$123";
pattern = Pattern.compile(inputPatternForName);
matcher = pattern.matcher(inValidName);
System.out.println("$123 is valid name? " + matcher.matches());
System.out.println();
String inputPatternForEmail = "[A-Za-z0-9_\\.]+@[A-Za-z0-9_\\.]+$";
String validEmail = "kapil@capgemini.com";
pattern = Pattern.compile(inputPatternForEmail);
matcher = pattern.matcher(validEmail);
System.out.println("kapil@capgemini.com is valid name? " + matcher.matches());
String inValidEmail = "kapil";
pattern = Pattern.compile(inputPatternForEmail);
matcher = pattern.matcher(inValidEmail);
System.out.println("kapil is valid name? " + matcher.matches());
}
}
```