

```
package login.account;
```

```
import java.util.Scanner;
```

```
import java.util.regex.Matcher;
```

```
import java.util.regex.Pattern;
```

```
public class Registration {
```

```
    static boolean checkUserName(String userName) {
```

```
        boolean check = userName.contains("_");
```

```
        if (userName.length() <= 5 || !check) {
```

```
            System.out.println("Username is not correctly formatted. Please ensure that your  
username contains an underscore and is no more than 5 characters in length.");
```

```
            return false;
```

```
        } else {
```

```
            System.out.println("Username successfully captured.");
```

```
            return true;
```

```
        }
```

```
    }
```

```
    static boolean checkPasswordComplexity(String passWord) {
```

```
        if (passWord.length() < 8) {
```

```
            return false;
```

```
        }
```

```

String regex = "(?=.*[A-Z])(?=.*[a-z])(?=.*\\d)(?=.*[@#$%^&+=]).*$";
Pattern pattern = Pattern.compile(regex);
Matcher matcher = pattern.matcher(passWord);

return matcher.find();
}

public static void main(String[] args) {
    Scanner in = new Scanner(System.in);

    System.out.println("Enter Username:");
    String userName = in.nextLine();
    boolean isUserNameValid = checkUserName(userName);

    System.out.println("Enter Password:");
    String passWord = in.nextLine();
    boolean isPasswordComplex = checkPasswordComplexity(passWord);

    if (isUserNameValid && isPasswordComplex) {
        System.out.println("Registration successful!");
    } else {
        System.out.println("Registration failed. Please check your username and password formats.");
    }
}

```

}

