3. Password that doesn’t match:

1. mY1A@ , too short, minimum 6 characters  
2. mkyong12@ , uppercase characters is required  
3. mkyoNg12\* , special symbol “\*” is not allow here  
4. mkyonG$$, digit is required  
5. MKYONG12$ , lower case character is required

4. Unit Test – PasswordValidator

Unit test with [TestNG](http://testng.org/doc/index.html" \t "_blank).

PasswordValidatorTest.java

package com.mkyong.regex;

import org.testng.Assert;

import org.testng.annotations.\*;

/\*\*

\* Password validator Testing

\* @author mkyong

\*

\*/

public class PasswordValidatorTest {

private PasswordValidator passwordValidator;

@BeforeClass

public void initData(){

passwordValidator = new PasswordValidator();

}

@DataProvider

public Object[][] ValidPasswordProvider() {

return new Object[][]{

{new String[] {

"mkyong1A@", "mkYOn12$",

}}

};

}

@DataProvider

public Object[][] InvalidPasswordProvider() {

return new Object[][]{

{new String[] {

"mY1A@","mkyong12@","mkyoNg12\*",

"mkyonG$$","MKYONG12$"

}}

};

}

@Test(dataProvider = "ValidPasswordProvider")

public void ValidPasswordTest(String[] password) {

for(String temp : password){

boolean valid = passwordValidator.validate(temp);

System.out.println("Password is valid : " + temp + " , " + valid);

Assert.assertEquals(true, valid);

}

}

@Test(dataProvider = "InvalidPasswordProvider",

dependsOnMethods="ValidPasswordTest")

public void InValidPasswordTest(String[] password) {

for(String temp : password){

boolean valid = passwordValidator.validate(temp);

System.out.println("Password is valid : " + temp + " , " + valid);

Assert.assertEquals(false, valid);

}

}

}

5. Unit Test – Result

Password is valid : mkyong1A@ , true

Password is valid : mkYOn12$ , true

Password is valid : mY1A@ , false

Password is valid : mkyong12@ , false

Password is valid : mkyoNg12\* , false

Password is valid : mkyonG$$ , false

Password is valid : MKYONG12$ , false

PASSED: ValidPasswordTest([Ljava.lang.String;@1d4c61c)

PASSED: InValidPasswordTest([Ljava.lang.String;@116471f)

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com.mkyong.regex.PasswordValidatorTest

Tests run: 2, Failures: 0, Skips: 0

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mkyong

Total tests run: 2, Failures: 0, Skips: 0

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