**Strings isDigit isLetter – Character Checking and Validating**

**public** **class** StringDigitCharCheck {

 **public** **static** **void** main(String[] args) {

 // assume student ID takes the format of 45678LL or DDDDDLL

 String StudentId = "45678LL";

 System.***out***.println(StudentId);

 **boolean** ValidId=**true**;

 **for**(**int** counter=0;counter<StudentId.length();counter++){

 **char** result = StudentId.charAt(counter);

 System.***out***.println(result);

 **if** (Character.*isDigit*(result)) {

 ValidId=**true**;

 } **else** {

 ValidId=**false**;

 }

 System.***out***.println(ValidId);

 }

 **for**(**int** counter=5;counter<StudentId.length();counter++){

 **char** result = StudentId.charAt(counter);

 System.***out***.println(result);

 **if** (Character.*isLetter*(result)) {

 ValidId=**true**;

 } **else** {

 ValidId=**false**;

 }

 System.***out***.println(ValidId);

 }

 }

}



**Validating Characters of a String**

**public** **class** StringsOrNumbersOrAlphaNumeric {

 **public** **static** **void** main(String[] args) {

 String StudentName = "Mary O'Dnovan";

 **boolean** ValidId=**false**;

 System.***out***.println(StudentName);

 **for**(**int** counter=0;counter<StudentName.length();counter++){

 **char** ch = StudentName.charAt(counter);

 System.***out***.println(ch);

 // check if ch is a letter

 **if** ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z') || (ch >= '0' && ch <= '9') || ((ch == ' ') || (ch =='\''))) {

 ValidId=**true**;

 } **else** {

 ValidId=**false**;

 **break**;

 }

 }

 System.***out***.println("Valid ID = " + ValidId);

 }

}

**Test Data**



 