**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**;

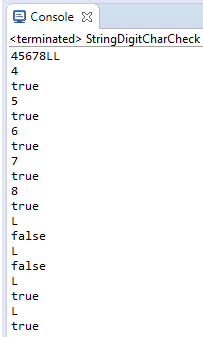
}

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**

