



## CSE 215L: Programming language II Lab

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Sec: 06

Lab - 03 [Control Statements-02, Characters, Strings], Spring-2021

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### Objective:

- To learn to use Conditional Statements
- To learn about different types of loops (for, while, do-while)
- To learn about two keywords such as break, continue, and their usages
- To learn about Character Data Type and the String type

### Tasks:

1. Write a program to find the GCD (Greatest Common Divisor) of two numbers.

#### Sample Input / Output

```
Enter a : 12  
Enter b : 28  
GCD : 4
```

2. Generate random integers between 5 and 20 (inclusive). Use for loop to print all integers separated by a space. To generate a random integer between min and max range:

```
int n = (int)(min+Math.random()*(max-min+1))
```

### **Sample Input / Output**

How many random numbers : 7  
6 16 8 13 9 15 17

3. Write a program that checks whether a character given as input is a letter, digit or symbol.

### **Sample Input / Output**

Enter a character : A  
It is a letter

Enter a character : 2  
It is a digit

4. Write a program that prompts the user to enter two cities and displays them in alphabetical order.

### **Sample Input / Output:**

Enter first city: New York  
Enter second city : Boston  
The cities in alphabetical orders are Boston and New York

### **Sample Input / Output**

How many random numbers : 7  
6 16 8 13 9 15 17