



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