CSE215L Programming Language II Lab

North South University
LAB 03
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Objective:

- To learn to use conditional statements (if, else, switch case)
- To learn the usage of loops (for, while, do-while)

➤ Generate a random integer n between 5 and 20 (inclusive). Use **for** loop to print all integers from 0 to n separated by a space. To generate a random integer between min and max range:
int n = (int)(min+Math.random()*(max-min+1))
Sample Output:
Random integer: 7
0 1 2 3 4 5 6 7

➤ Print the following
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1

➤ Write a program which will use while loop to print all the integers between 100 and 150 which are divisible by 8 in descending order.
Output: 144 136 128 120 112 104

➤ Generate a random **int** between 1990 and 2020. Then print it check if it's a leap year or not.
Note: A leap year must satisfy **any or both** of the following conditions:
Divisible by 400
Divisible by 4 and not divisible by 100
Sample output:
2015: false

➤ Print the following pattern:
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