# Lesson 4 Lab

Task 1: define a program to randomly generate and then print a number in range between 4 to 9

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Task 2: define a program to randomly generate and print the top value on a six-sided die (1 ~ 6) for 20 times (Hint: top value is the value on the side facing up)

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Task 3: define a program to calculate 10! and print the result, using recursion [hint: int may not be big enough, you may want to use long]

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Task 4: define a program which reads in one positive integer from user, and then print out the input number in reversed order, using recursion

(Eg, when input is 123, output should be 321; when input is 100, output can be 001 or just 1)

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Task 5: define a program, using recursion, to calculate and print the first 20 numbers in Fibonacci sequence [hint: 0 1 1 2 3 5 8 13 21 34 … (since the third number, each one is the sum of the previous two)]

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