

Lab – Using functions

1. Print the following numbers to the screen:
 - a. A random number between 1000 and 9999.
 - b. 10 random numbers between 10 and 20.
 - c. 5 random numbers between -1 and -9.
 - d. 5 random 3 digits integers.

2. Write a program to simulate coin flipping.
 - a. Use rand() function and get random number 1 and 0
 - b. 1 represents head
 - c. 0 represents tail
 - d. Simulate the toss 5000 time
 - e. Print out the probability of getting heads in 5000 tries

3. Write a complete C++ program that does the following.
 - a. It repeatedly, asks the user to enter an integer.
 - b. If the entered number is negative, the word “Negative” is printed and the program terminates.
 - c. Otherwise the square root of the number is calculated and the nearest integer to this square root is printed.

Here is an example of how the program should work:

Enter an integer: 100

10

Enter an integer: 97

10

Enter an integer: 101

10

Enter an integer: -100

Negative