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