San Francisco Bay University

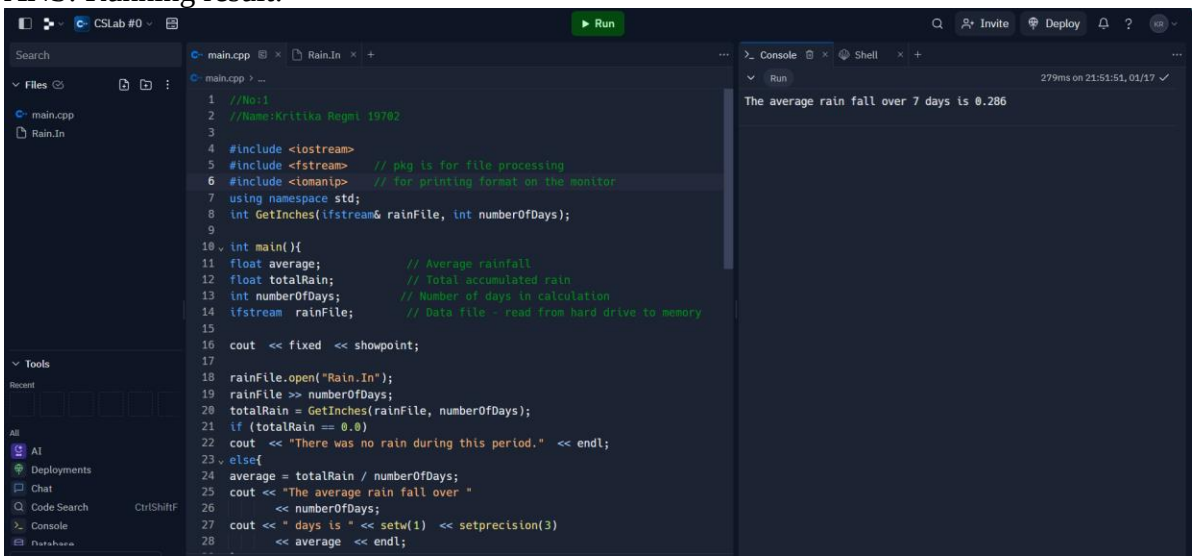
CS360L - Programming in C and C++ Lab
Lab Assignment #0

Due day: 1/17/2024

Kritika Regmi
ID: 19702

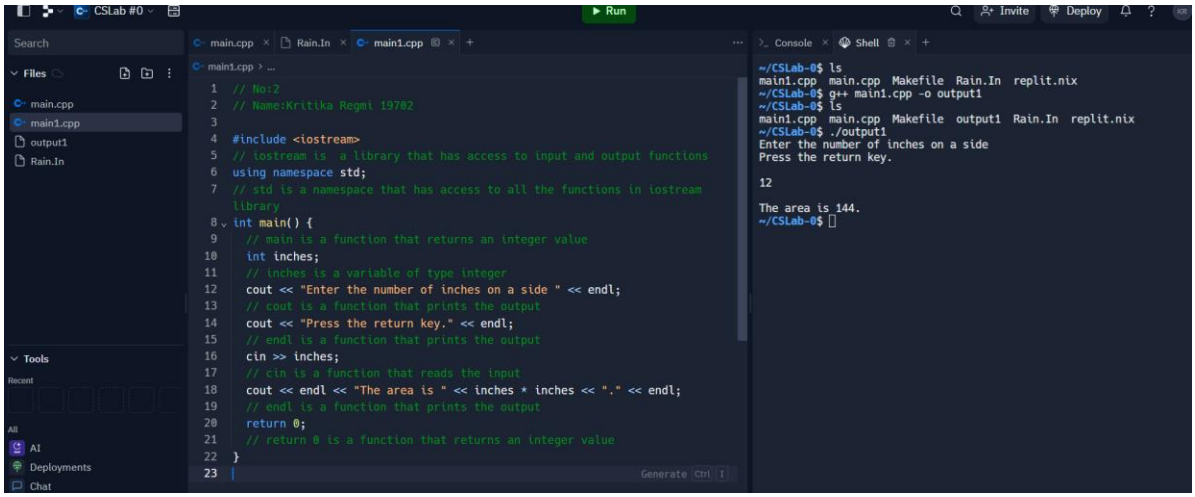
1. Create your personal account of C++ online compiler at the following link and run the first program on it. *https://replit.com/*

ANS: Running result:



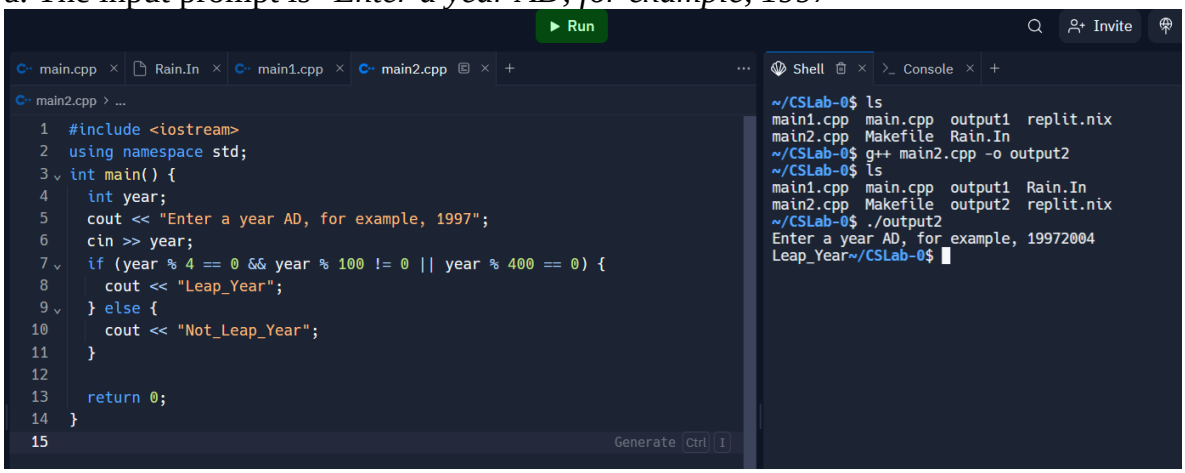
2. Enter the editor and key in the following program. And explain the meanings of each statement.

ANS:



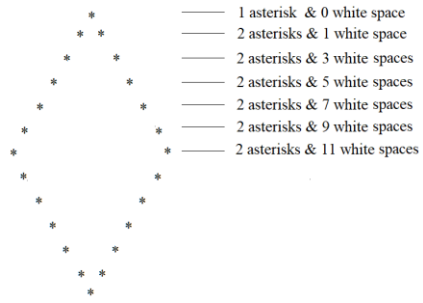
4. Write the program to check leap year as the first programming exercise and verify your program by the following cases.

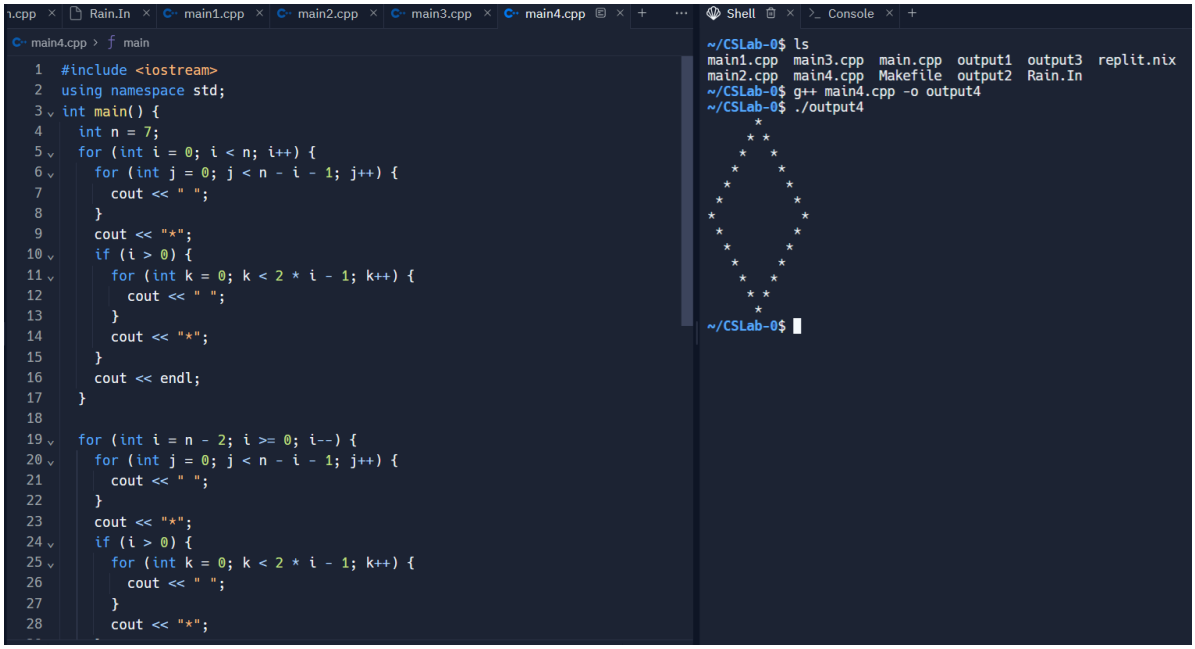
a. The input prompt is *"Enter a year AD, for example, 1997"*



b. Change the prompt so that the example year is *2005*.

5. Figure out the program to print the following pattern by loop structure.




n.cpp
Rain.In
main1.cpp
main2.cpp
main3.cpp
main4.cpp
main4.cpp › main
#include <iostream>
using namespace std;
int main() {
int n = 7;
for (int i = 0; i < n; i++) {
for (int j = 0; j < n - i - 1; j++) {
cout << " ";
}
cout << "*";
if (i > 0) {
for (int k = 0; k < 2 * i - 1; k++) {
cout << " ";
}
cout << "*";
}
cout << endl;
}
for (int i = n - 2; i >= 0; i--) {
for (int j = 0; j < n - i - 1; j++) {
cout << " ";
}
cout << "*";
if (i > 0) {
for (int k = 0; k < 2 * i - 1; k++) {
cout << " ";
}
cout << "*";
Shell
Console
~/CSLab-0$ ls
main1.cpp main3.cpp main.cpp output1 output3 replit.nix
main2.cpp main4.cpp Makefile output2 Rain.In
~/CSLab-0$ g++ main4.cpp -o output4
~/CSLab-0$ ./output4
~/CSLab-0$