

## Lab 2

### Part A

```
D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>g++ lab1q1a1.cpp

D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>a.exe
Enter two integers: 1 2
Sum (no return, no parameters) = 3

Enter two integers: 2 3
Sum (no return, with parameters) = 5

Enter two integers: 3 4
Sum (with return, with parameters) = 7
Enter two integers: 4 5
Sum (with return, no parameters) = 9
```

### Part B

```
D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>g++ lab2b1.cpp

D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>a.exe
Enter a start value: 1
Enter an end value: 6

6 + 5 + 4 + 3 + 2 + 1 = 21
```

```
D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>g++ lab2b2.cpp

D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>a.exe
Enter a string: holla
Reverse entered string: alloh
The entered string is NOT a palindrome!

D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>a.exe
Enter a string: appa
Reverse entered string: appa
The entered string is a palindrome!
```

```
D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>g++ lab2b3.cpp

D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>a.exe
Enter calendar's year: 2005
Enter calendar's month: 5

Calendar Title : May - 2005
-----
Sunday   Monday   Tuesday   Wednesday   Thursday   Friday   Saturday
-----
1         2         3         4         5         6         7
8         9        10        11        12        13        14
15        16        17        18        19        20        21
22        23        24        25        26        27        28
29        30        31
```

## Part C

```
D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>a.exe
Please enter your elapsed time (in HH:MM:SS format): 1:0:20
Elapsed time in seconds = 3620 seconds
```

```
D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>g++ lab2c2.cpp
```

```
D:\C++ FOLDER\ChristoferRustandi_TP071535\Lab 2>a.exe
Enter your month (e.g. August): may
Enter year: 2005
Day 1 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: r
Day 2 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 3 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 4 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 5 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: r
Day 6 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 7 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 8 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 9 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 10 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: r
Day 11 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 12 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 13 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 14 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 15 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 16 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 17 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 18 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: c
Day 19 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: r
Day 20 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: r
Day 21 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 22 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 23 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 24 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 25 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 26 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: h
Day 27 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy:
r
Day 28 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: r
Day 29 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: r
Day 30 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy: rh
Day 31 - Enter 'H' for Hot, 'R' for Rainy, 'C' for Cloudy:
Number of hot days: 11
Number of rainy days: 9
Number of cloudy days: 11
```

```
The analysis star design is as below:
Hot      : *****
Rainy    : *****
Cloudy   : *****
```