**COSC 1436- Spring 2012**

**Lab/Program #4- Chapter 6**

**Total Points: 20**

Implement the all the following as C++ programs for full credit. Please submit the .cpp only.**(10 pts. each)**

|  |  |
| --- | --- |
| **Sign** | **Dates** |
| Capricorn | 12/22-1/19 |
| Aquarius | 1/20-2/18 |
| Pisces | 2/19-3/20 |
| Aries | 3/21-4/19 |
| Taurus | 4/20-5/20 |
| Gemini | 5/21-6/21 |
| Cancer | 6/22-7/22 |
| Leo | 7/23-8/22 |
| Virgo | 8/23-9/22 |
| Libra | 9/23-10/23 |
| Scorpio | 10/24-11/21 |
| Sagittarius | 11/22-12/21 |

Write a C++ program where the user types in a birthday (month and day) the program responds with the appropriate western zodiac sign for that birthday. The month is entered as a number from 1 to 12 and day as 1 to 31. Use a function to determine the western zodiac sign associated with the date entered. Check for date validation to all parts to your program. The program should also include a loop that lets the user repeat this calculation until the user says he/she is done. Output should look similar to below.

**Sample Output (2 runs):**

Enter the month and day: 9 7

The sign for 9 7 is Virgo.

Do you wish to run again? (Y/N) Y

Enter the month and day: 3 32

Not a valid date.

Enter the month and day: 4 20

The sign for 4 20 is Taurus.

Do you wish to run again? (Y/N) n

Name the program: ZodiacXX.cpp. Where XX are your initials.