

Amrit Panesar

# Name:

77260

**Student #:**

COM (107 / 120)

**Class #:**

X

**8-12am\_\_\_\_\_\_\_ 1-5pm\_\_\_\_\_\_\_ 6-10pm\_\_\_\_\_\_\_**

Project 3

**Project:**

Charlie Morgan

# Instructor:

Project 3

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Month  Day  Year | Validate Date | Is Date Valid? |

Pseudocode:

PROMPT month

STORE iMonth

PROMPT day

STORE iDay

PROMPT year

STORE iYear

SET bValid = false

IF (iMonth > 0 && iMonth <= 12 ) && ( iDay > 0 || iDay <= 31)

CASEOF iMonth

CASE 1:

CASE 3:

CASE 5:

CASE 7:

CASE 8:

CASE 10:

CASE 12:

IF iDay <= 31

SET bValid = true

BREAK

CASE 4:

CASE 6:

CASE 11:

IF iDay <= 30

SET bValid = true

BREAK

CASE 2:

IF (iDay == 29 && iYear % 4 == 0) && ( iYear % 100 != 0 || iYear % 400 == 0 )

SET bValid = true

BREAK

ENDCASE

ENDIF

IF bValid

DISPLAY Valid Date

ELSE

DISPLAY Invalid Date

Desk Check

|  |  |  |
| --- | --- | --- |
| Input | Expected | Actual |
| 02  29  1600 | Valid | ***Valid*** |
| 01  10  1994 | Valid | ***Valid*** |
| 5  32  2012 | Invalid | ***Invalid*** |
| Invalid  Data | Error | ***Error*** |