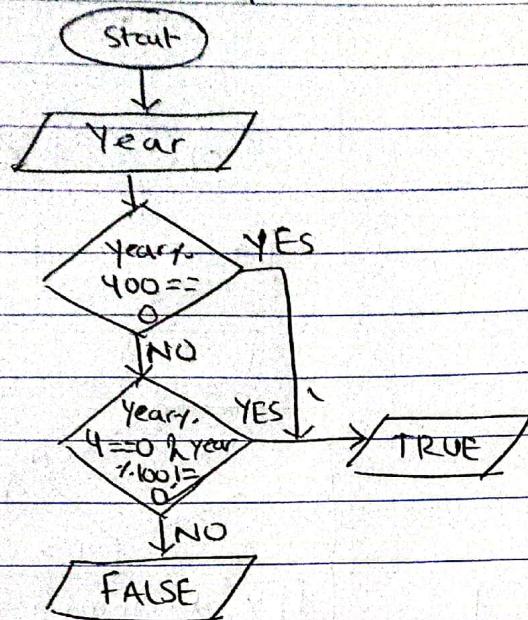
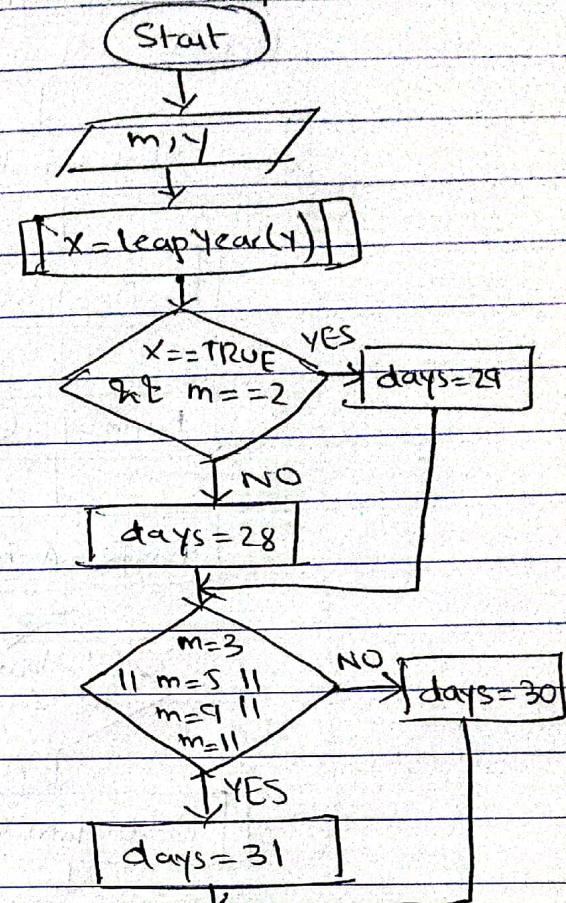


Date

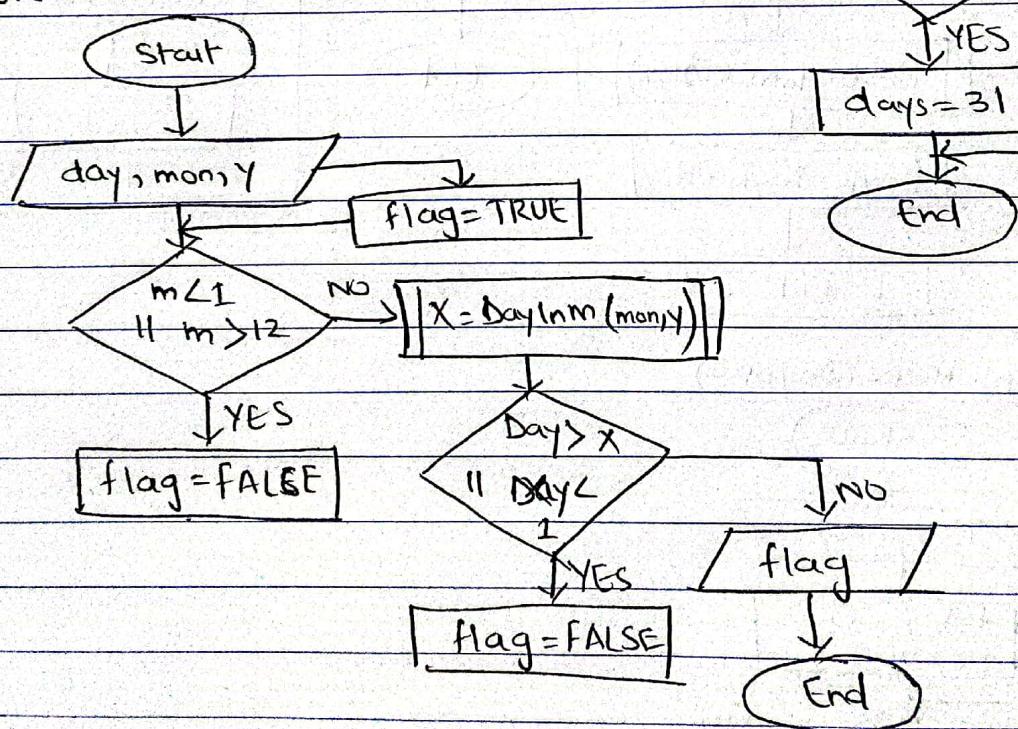
FUNCTION LeapYear



FUNCTION DaysInM

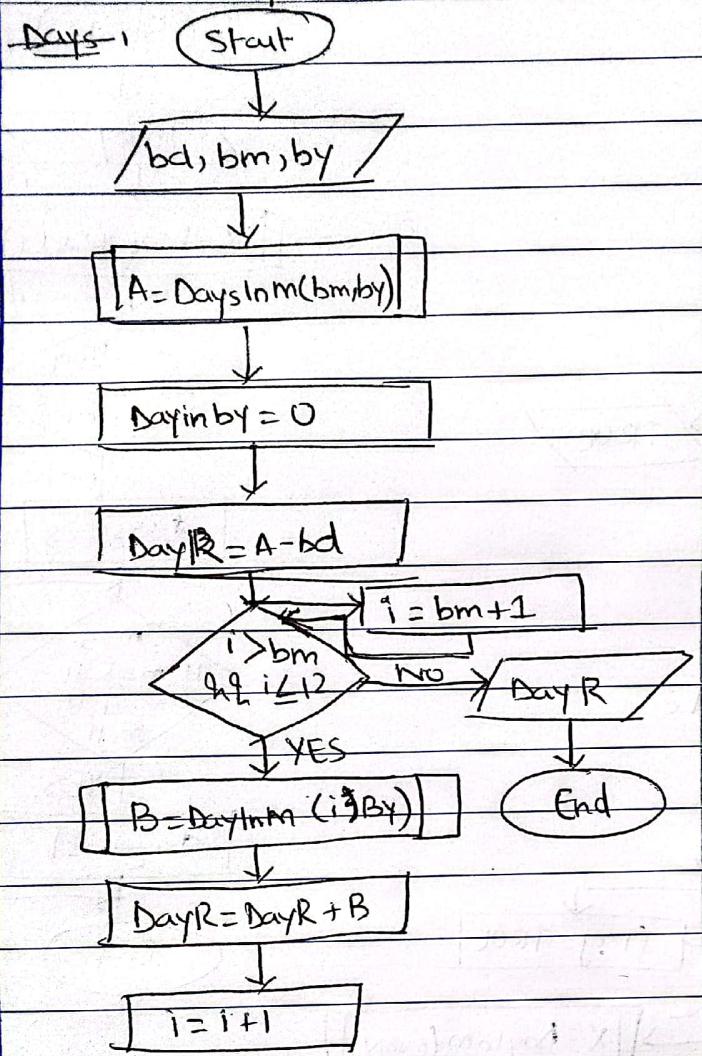


FUNCTION CheckDate

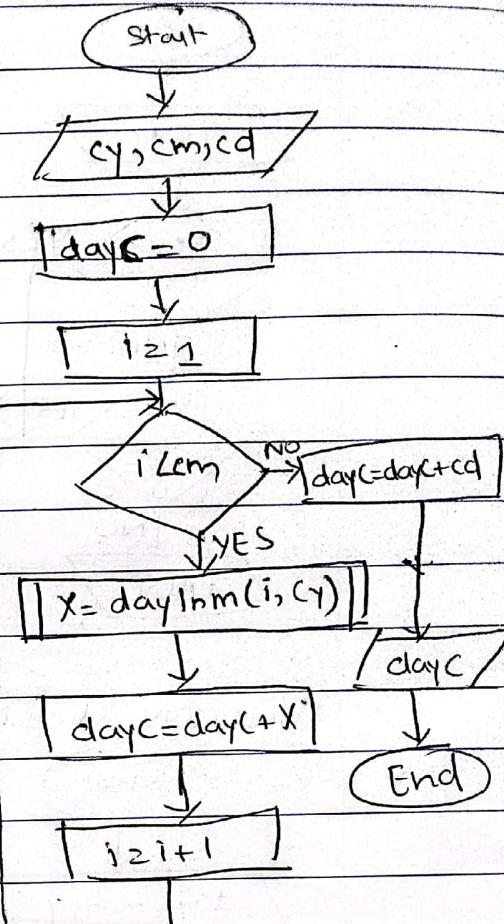


Date

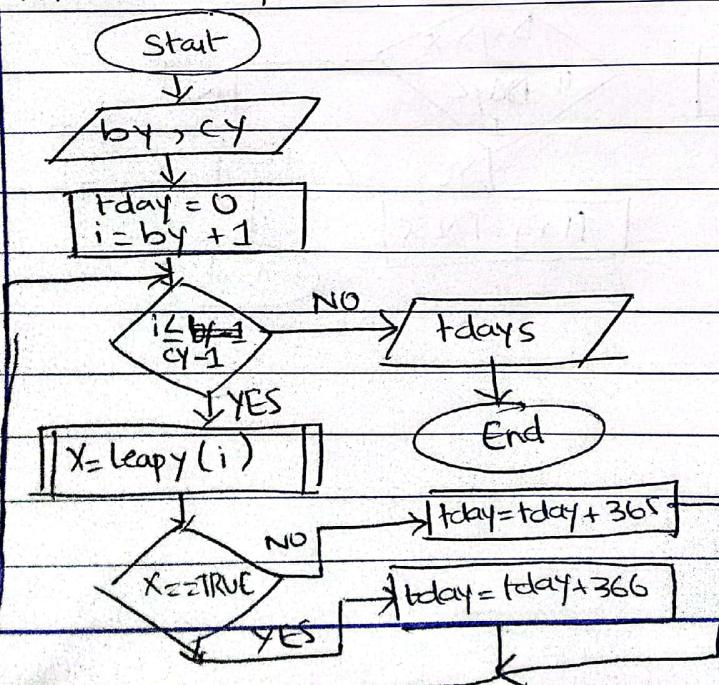
FUNCTION (DayInBy)



FUNCTION (DayInCv)

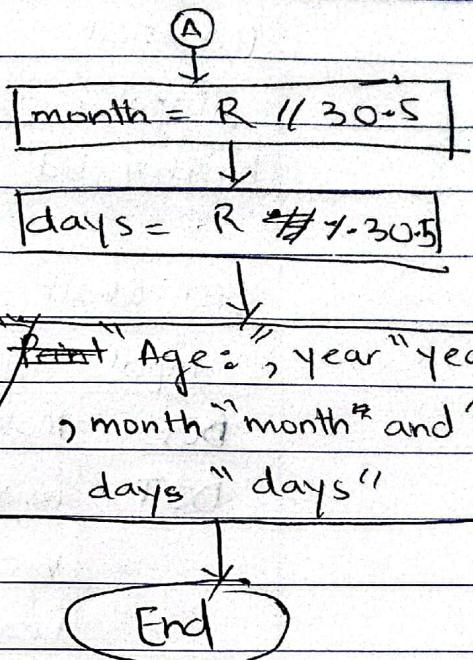
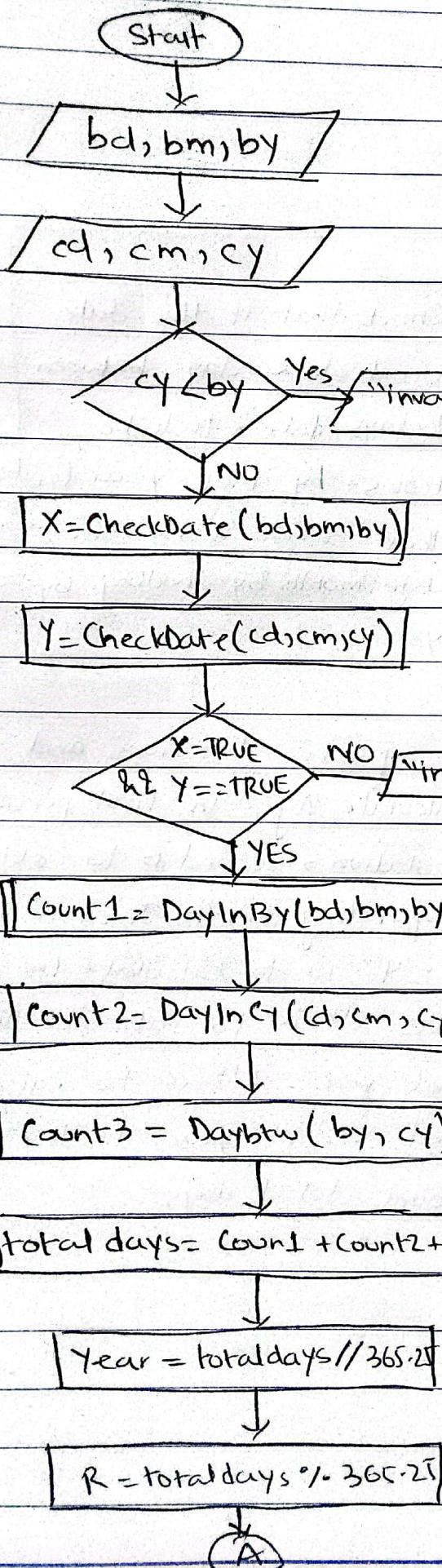


FUNCTION (Daybtw)



Date _____

Function MAIN



IPO Chart

Input	PROCESSING	OUTPUT
B0B	Make a function to check that if the date is valid or not. Then calculate days between birth date and todays date. Include leap year calculations by leap year function.	Exact Age
D0T	Obtain total days than divide it by 365.25 to get years and calculate months by dividing by 30.5 and remaining days	of user

My Approach: I have made 6 separate functions and 1 separate main function to calculate Age. In first pseudocode I have include leap year calculation, second is to output the number of days for corresponding month. Third is to check if the date is valid or not. 4th is to calculate the remaining day in year after birth date. 5th is to calculate the days you have ~~go~~ lived till current year. 6th is to calculate the days between birth year and current year. In the 7th main flowchart I have count total days.

HUCKY

LEA

Date _____

PSEUDOCODE Q9

```
FUNCTION LeapYear(year) RETURNS BOOLEAN
  IF (year % 400 == 0) AND (year % 100 != 0 OR year % 4 == 0) then
    RETURN TRUE
  ELSE
    RETURN FALSE
  END FUNCTION
```

```
FUNCTION CheckDate(day, month, year) RETURNS BOOLEAN
  IF month < 1 OR month > 12 Then
    RETURNS FALSE // invalid month
  END IF
  IF day < 1 OR day > daysInM(month, year) then
    RETURN FALSE // invalid day for month
  END IF
  RETURN TRUE // Date is valid
END FUNCTION
```

```
FUNCTION DaysInMonth(month, year) RETURNS INT
  IF month == 3 || month == 5 || month == 7 || month == 11 then
    days = 31
  ELSE IF month == 2 AND leapYear(year)
    days = 29
  ELSE IF month == 4 || month == 6 || month == 8 || month == 10
    days = 30
  ELSE
    days = 31
```

LUCKY

Final

ENDIF
RETURN Days
END FUNCTION

FUNCTION DayInBy(bd, bm, by) RETURNS INT

DaysR = 0

A = DayInM(bm, by)

DaysR = A - bd

$\rightarrow i = bm + 1$
FOR i FROM bm+1 TO 12:

daysR = dayR + DayInM(i)

END FOR

RETURN DaysR

END FUNCTION

FUNCTION DayInCY(cd, cm, cy) RETURNS INT

dayC = 0

FOR i FROM 1 TO cm-1:

dayC = dayC + DayInM(i)

END FOR

dayC = dayC + cd

RETURN dayC

END FUNCTION

Date _____

FUNCTION Daybetween(by, cy) RETURNS INT
total day = 0
FOR ~~i~~; FROM by + 1 TO cy - 1;
IF LeapYear(i) THEN
 totaldays = totaldays + 366
ELSE
 totaldays = totaldays + 365
RETURN totaldays
END FUNCTION

FUNCTION main()
INPUT bd, bm, by, cd, cm, cy
NOT
IF $\neg \text{checkDate}(bd, bm, by)$ OR $\neg \text{checkDate}(cd, cm, cy)$ then
 Print "Invalid date"
 EXIT
END IF
IF count1 = DayInBy(bd, bm, by)
 Count2 = DayInC(y(cd, cm, cy))
 Count3 = DayBetween(by, cy)
 Total = Count1 + Count2 + Count3
 Year = Total // 365 - 25
 R = Total % 365 - 25
 Month = ~~Total~~ R / 30.5
 Day = ~~Total~~ R % 30.5
OUTPUT Year, Month, Day
END FUNCTION