Question

A programmer has been asked to write a program which states the number of days in a given month.

Write an algorithm in pseudocode which will ask for a month and outputs the number of days that month contains.

Answer

CSUK
computerscienceuk.com | csuk.io

CSUK:Teacher
teacher.computerscienceuk.com | csukteacher.com

CSUK:ReviseCS
revisecs.computerscienceuk.com | revisecs.com

Question

A programmer has been asked to write a program which states the number of days in a given month.

Write an algorithm in pseudocode which will ask for a month and outputs the number of days that month contains.

Answer

There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!

LOGIC:

Ask the user to type in the name of a month and store it in a variable

IF the month entered is 'January' OR 'March' OR 'May' OR 'July' OR 'August' OR 'October' OR 'December'
DISPLAY "The month you entered has 31 days"
ELSE – IF the month entered is 'April' OR 'June' OR 'September' OR 'November'
DISPLAY "The month you entered has 30 days"
ELSE
DISPLAY "The month you entered has 28 days (but 29 days in a leap year)"

EXAMPLE ALGORITHM:

```
month = input("Enter a month: ")
if (month == 'January') OR (month == 'March') OR (month == 'May') OR (month == 'July') OR (month == 'August') OR (month == 'October') OR (month == 'December')
    print("The month you entered has 31 days")
elseif (month == 'April') OR (month == 'June') OR (month == 'September') OR (month == 'November')
    print("The month you entered has 30 days")
else
    print("The month you entered has 28 days (but 29 days in a leap year)")
endif
```

CSUK
computerscienceuk.com | csuk.io

CSUK:Teacher
teacher.computerscienceuk.com | csukteacher.com

CSUK:ReviseCS
revisecs.computerscienceuk.com | revisecs.com