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Assignment: Exercise 5.16, e.g., Lab1C

Give day when given the date

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#include <cmath>

#include <iostream>

using namespace std;

int zellerCongruence(int dd, int mm, int yyyy); //initialize Zeller’s Congruence

int main()

{

int day = 0;

int month = 0;

int year = 0;

int weekday = 0;

cout << "please enter date." << endl << "Enter month in the form of mm: ";

cin >> month;

cout << "Enter numeric day: ";

cin >> day;

cout << "Enter year in the form of yyyy: ";

cin >> weekday;

weekday = zellerCongruence(day,month,year);

if(weekday == 0) //prints the day associated with number

{

cout << "Monday";

}

else if(weekday == 1)

{

cout << "Tuesday";

}

else if(weekday == 2)

{

cout << "Wednesday";

}

else if(weekday == 3)

{

cout << "Thursday";

}

else if(weekday == 4)

{

cout << "Friday";

}

else if(weekday == 5)

{

cout << "Saturday";

}

else if(weekday == 6)

{

cout << "Sunday";

}

else

{

cout << "error";

}

}

int zellerCongruence(int dd, int mm, int yyyy) //Zeller’s Congruence

{

return (dd + 5 + ((26\*(mm +1))/10) +

((5\*(yyyy % 100))/4)+ ((21\*(yyyy/100))/4))%7;

}