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#include <iostream>
using namespace std;

int day, month, year, error = 0;
int days[12] = {31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};

bool leap(int yy) {
    if (yy%4 == 0) {
        return true;
    } else {
        return false;
    }
}

bool endMonth(int mm) {
    if (mm == 12) {
        return true;
    } else {
        return false;
    }
}

int checkDay(int dd, int mm) {
    if (dd > days[mm-1] || dd < 1) {
        return -1;
    } else {
        return dd;
    }
}

void checkInput(int dd, int mm, int year) {
    int dayCheck = checkDay(day, month);
    if (dayCheck == -1) {
        error = 1;
        cout << "\n\tInvalid Date.\n";
    } else {
        error = 0;
        cout << "\n\tCurrent Date : " << day << "/" << month << "/" <<
year << endl;
    }
}

int main() {
    int d_err=0, m_err=0, y_err=0;
    do {
        do {
            cout << "\n\tEnter Day :> "; cin >> day;
            if (day < 1 || day > 31) {
                d_err = 1;
                cout << "\t//*** Please enter a valid day. ***//\n";
            } else {
                d_err = 0;
            }
        } while (d_err == 1);
    }
}

```

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do {
    cout << "\tEnter Month :> "; cin >> month;
    if (month < 1 || month > 12) {
        m_err = 1;
        cout << "\t/** Please enter a valid month. **/\n";
    } else {
        m_err = 0;
    }
} while (m_err == 1);

do {
    cout << "\tEnter Year :> "; cin >> year;
    if (year < 1 || year > 2030) {
        y_err = 1;
        cout << "\t/** Please enter a valid year. **/\n";
    } else {
        y_err = 0;
    }
} while (y_err == 1);

if (leap(year)) {
    days[1] = 29;
} else {
    days[1] = 28;
}
checkInput(day, month, year);

} while (error == 1);

return 0;
}

```