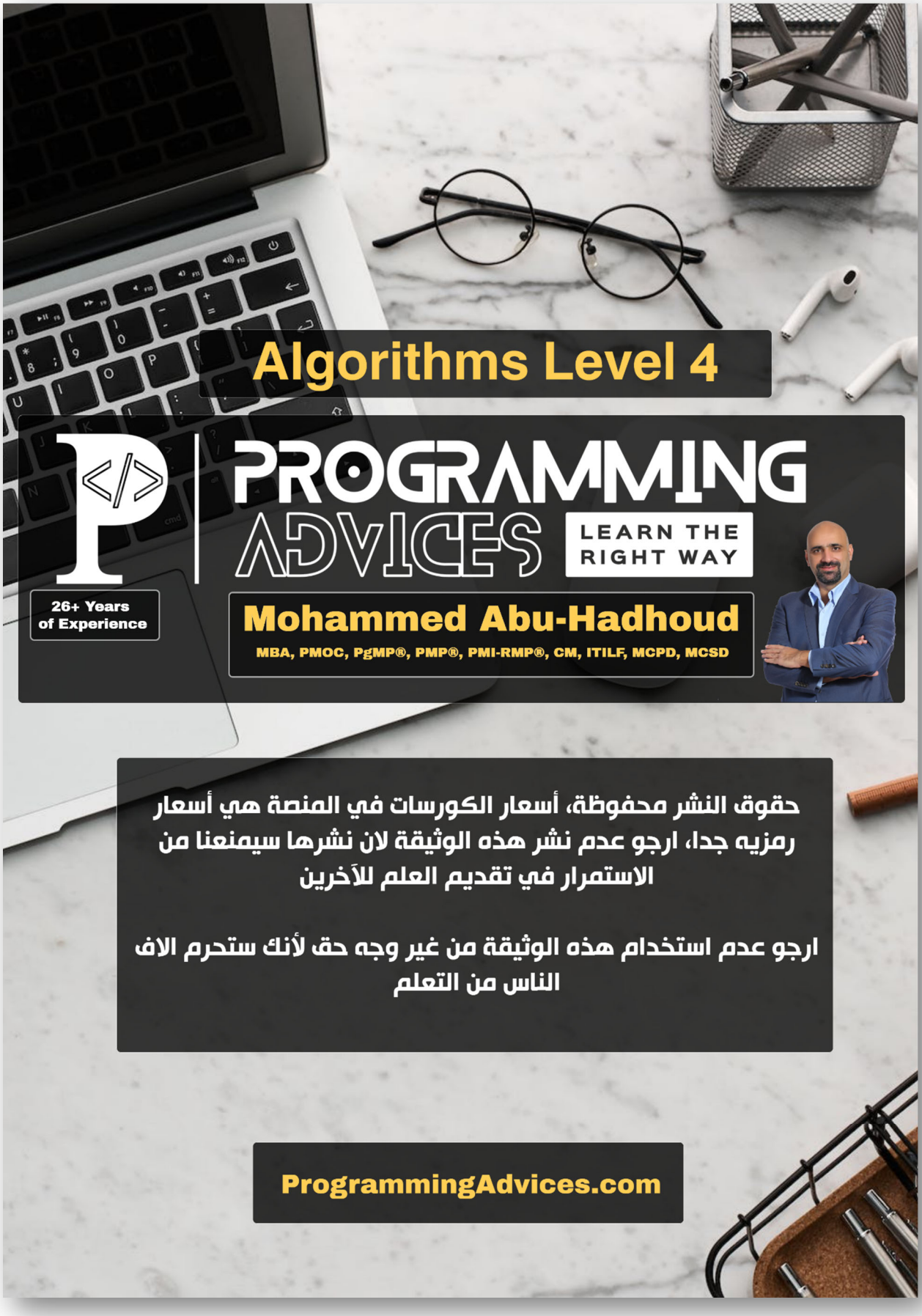
Algorithms Level 4
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حقوق النشر محفوظة، أسعار الكورسات في المنصة هي أسعار رمزيه جدا، ارجو عدم نشر هذه الوثيقة لان نشرها سيمنعنا من الاستمرار في تقديم العلم للآخرين
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```cpp
#include <iostream>
using namespace std;

short DayOfWeekOrder(short Day, short Month, short Year)
{
    short a, y, m;
    a = (14 - Month) / 12;
    y = Year - a;
    m = Month + (12 * a) - 2;
    // Gregorian:
    //0:sun, 1:Mon, 2:Tue...etc
    return (Day + y + (y / 4) - (y / 100) + (y / 400) + ((31 * m)
/ 12)) % 7;

}

string DayShortName(short DayOfWeekOrder)
{
    string arrDayNames[] = {
"Sun","Mon","Tue","Wed","Thu","Fri","Sat" };

    return arrDayNames[DayOfWeekOrder];

}


short ReadDay()
{
    short Day;
    cout << "\nPlease enter a Day? ";
    cin >> Day;
    return Day;
}

short ReadMonth()
{
    short Month;
    cout << "\nPlease enter a Month? ";
    cin >> Month;
    return Month;
}
```

```
short ReadYear()
{
    short Year;
    cout << "\nPlease enter a year? ";
    cin >> Year;
    return Year;
}

int main()

{
    short Year = ReadYear();
    short Month = ReadMonth();
    short Day = ReadDay();

    cout << "\nDate      :" << Day << "/" << Month << "/" << Year;
    cout << "\nDay Order : " << DayOfWeekOrder(Day, Month, Year);
    cout << "\nDay Name  : " << DayShortName(DayOfWeekOrder(Day,
Month, Year));

    system("pause>0");
    return 0;
}
```