

day of the week

```
// I, Ebuka Chibueze certify this
is my own work and I have not
collaborated with anyone
// 10/04/2014
#define
_CRT_SECURE_NO_WARNIN
GS
#include <stdio.h>
int main(int)
{
    int m, d, y, daycode, numdays;
    //m->Month d->Day y->Year
    printf("Enter date(mm dd
yyyy):");
    scanf("%d %d %d", &m, &d,
&y);
    while(m!=0 && d!=0 && y!=0)
    {
        numdays = (((y-1)*365)+((y-
1)/4)-((y-1)/100)+((y-1)/400));
        //numdays is
        //the total number of days within
        the year plus the next year

        switch(m)
        { case 1: d =d;
        break;
        case 2: d=d+31;
        break;
```

day of the week (cont)

```
case 3: d=d+28+31;
break;
case 4: d=d+31+28+31;
break;
case 5: d=d+30+31+28+31;
break;
case 6: d=d+31+30+31+28+31;
break;
case 7:
d=d+30+31+30+31+28+31;
break;
case 8:
d=d+31+30+31+30+31+28+31;
break;
case 9:
d=d+31+31+30+31+30+31+28+31
;
break;
case 10:
d=d+30+31+31+30+31+30+31+28
+31;
break;
case 11:
d=d+31+30+31+31+30+31+30+31
+28+31;
break;
case 12:
d=d+30+31+30+31+31+30+31+30
+31+28+31;
break;
}

if (((!(y%4) && (y%100)) || !
(y%400)) && m>=3)
{
```

day of the week (cont)

```
d = d +1;
}

numdays = numdays+d;
daycode = numdays%7;
//If daycode is 0->Sunday 1-
>Monday 2->Tuesday 3-
>Wednesday 4->Thursday 5
if (daycode == 0)
printf("Sunday\n");
else if (daycode == 1)
printf("Monday\n");
else if (daycode == 2)
printf("Tuesday\n");
else if (daycode == 3)
printf("Wednesday\n");
else if (daycode == 4)
printf("Thursday\n");
else if (daycode == 5)
printf("Friday\n");
else if (daycode == 6)
printf("Saturday\n");

printf("Enter date(mm dd
yyyy):");
scanf("%d %d %d", &m, &d, &y);
}
}
```

hypotenuse > function practice

```
#define _CRT_SECURE_NO_WARNINGS
#include <stdio.h>
#include <math.h>
double hyp(double, double); // proto type
must have semi colon
int main()
{
    double x,y,h;
    printf(" enter x and y ");
    scanf(" %lf %lf ", &x, &y);
    h = hyp(x,y);
    printf("hypotenuse is :%lf\n ", h);
}
return 0;
double hyp( double a, double b)
{
    double sum, result;
    sum=aa +bb;
    result = sqrt(sum);
    return result;
}
```



links

force <https://www.filepicker.io/api/file/g85DAcWXT4WejzQ395jF>

double pointers <http://www.eskimo.com/~scs/cclass/int/sx8.html>

arrays/
useful
website/
timeslid
e <http://bitcrafters-appledev.blogspot.com/2012/06/c-arrays-and-pointers-cheat-sheet.html>

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links (cont)

extra
power
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^^ <http://www.physics.ucf.edu/~roldan/classes/phy2048-ch7.pdf>

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stuff <https://www.filepicker.io/api/file/tvy6mccQBaoCVrz-RyYIG>

file i/o <http://www.cprogramming.com/tutorial/cfileio.html>



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