

Day_of_Week_v2

//Day of Week Example

//<https://forum.processing.org/two/discussion/3350/getting-the-day-of-the-week-without-calendar.htm>

1

//Mr. H.

int dayOfWeek;

int day, month, year;

```
void setup() {  
  size(600, 600);  
}
```

```
void draw() {  
  background(255);
```

```
  day = day();  
  month = month();  
  year = year();
```

```
  //calculates the day of the week
```

```
  if (month < 3) {  
    month = month + 12;  
    year = year - 1;  
  }
```

```
  dayOfWeek = (day + int((month+1)*2.6) + year + int(year/4) + 6*int(year/100) + int(year/400) +  
  6) % 7;
```

```
  //sets text size and colour
```

```
  fill(0);  
  textSize(16);
```

```
  //displays date
```

```
  text("Today is day "+day()+" of the month", 20, 20);
```

```
  //displays numerical day of the week
```

```
  text("Today is day " + dayOfWeek + " of the week", 20, 40);
```

```
  //prints the name of the day
```

```
  textSize(48);
```

```
  if (dayOfWeek == 0) {  
    text("Sunday", 20, 80);  
  }
```

```
  if (dayOfWeek == 1) {  
    text("Monday", 20, 80);  
  }
```

```
if (dayOfWeek == 2) {  
  text("Tuesday", 20, 80);  
}
```

```
if (dayOfWeek == 3) {  
  text("Wednesday", 20, 80);  
}
```

```
if (dayOfWeek == 4) {  
  text("Thursday", 20, 80);  
}
```

```
if (dayOfWeek == 5) {  
  text("Friday", 20, 80);  
}
```

```
if (dayOfWeek == 6) {  
  text("Saturday", 20, 80);  
}  
}
```