



SILLY WEATHER

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The project: silly_weather



Purpose: get to know today's silly weather

How does it work?

- ❄ Randomly generates and calculate datas by seriously cute methods
- ❄ Takes those into an object and shows on console
- ❄ Writes the datas into a weather log file

About the parameters



Temperature

Cloud status

Gravity

Wind speed

Should wear

Love in the air level

Take with you

```
let sillyWeather = {  
  temperature: sillyTempToday().toFixed(2),  
  cloudStatus: coludy(),  
  gravity: gravityConst,  
  windSpeed: windSpeed + ' km/h',  
  shouldWear: calculateWearing(),  
  loveInTheAirLevel: drawLevel,  
  takeWithYou: calcTakeWithYou(),  
}  
console.log(sillyWeather);
```

How does it work: Temperature



Function:

sillyTempToday()

* Sunshine arrive to Earth (min)

* Stratosphere distance (km)

* Divide by

Calculate yesterday's AVG
temperature (°C)



```
/ generate today's silly weather:

let sillyWeather = {
  temperature: sillyTempToday().toFixed(2),
```



```
let tempBefore: number[] = [12, 3, 10, 33, 22, 29, 7];
let tempBeforeSum: number = tempBefore.reduce((a, b) => a + b);

let tempBeforeAVG: number = tempBeforeSum / tempBefore.length;

const SunShineArrive: number = 8.20; // min
const stratosphereDistance: number = 30; // km

function sillyTempToday(): number {
  let temperature: number = (SunShineArrive + stratosphereDistance) / tempBeforeAVG;
  return temperature;
}
```

How does it work: Cloud status



Function:

cloudy()

- * CloudForms array: real cloud forms included
- * Randomly generated word from the four cloud name

```
let sillyWeather = {  
  // temperature: sillyTempToday().toFixed(2),  
  cloudStatus: coludy(),  
  // gravity: gravityConst,  
  // windSpeed: windSpeed + ' km/h',  
  // shouldWear: calculateWearing(),  
  // loveInTheAirLevel: drawLevel,  
  // takeWithYou: calcTakeWithYou(),  
}  
console.log(sillyWeather);
```

```
let cloudForms: string [] = ['cirrus', 'stratus', 'cumulus', 'nimbus'];  
function coludy() {  
  let generatedCloud: string = '';  
  for (let i: number = 0; i < cloudForms.length; i++) {  
    let randomIndex: number = Math.floor(Math.random() * (cloudForms[i].length - 1));  
    generatedCloud += cloudForms[i][randomIndex];  
  }  
  return generatedCloud;  
}
```

How does it work: Should wear

Function: **calculateWearing()** randomly generated values
from three arrays by a shuffle function



```
let wearOnTop: string [] = ['white spotted coat', 'ugly xmas hoodie', 'lipstick', 'terrible parfum',  
'no smink', 'leather t-shirt'];  
let wearOnBottom: string [] = ['torn jeans', 'stockings', 'knitted skirt', 'pink boots', 'polar  
socks'];  
let wearExtra: string [] = ['hair net', 'fake glasses', 'wrist clamp'];  
  
function calculateWearing () {  
  wearOnTop = shuffle(wearOnTop);  
  wearOnBottom = shuffle(wearOnBottom);  
  wearExtra = shuffle(wearExtra);  
  let needToWear = wearOnTop.concat(wearOnBottom, wearExtra);  
  needToWear = needToWear.filter((v, i, a) => a.indexOf(v) === i);  
  return (needToWear);  
}
```


If you interested

```
let sillyWeather = {  
  // temperature: sillyTempToday().toFixed(2),  
  // cloudStatus: coludy(),  
  // gravity: gravityConst,  
  windSpeed: windSpeed + ' km/h',  
  // shouldWear: calculateWearing(),  
  loveInTheAirLevel: drawLevel,  
  takeWithYou: calcTakeWithYou(),  
}  
console.log(sillyWeather);
```

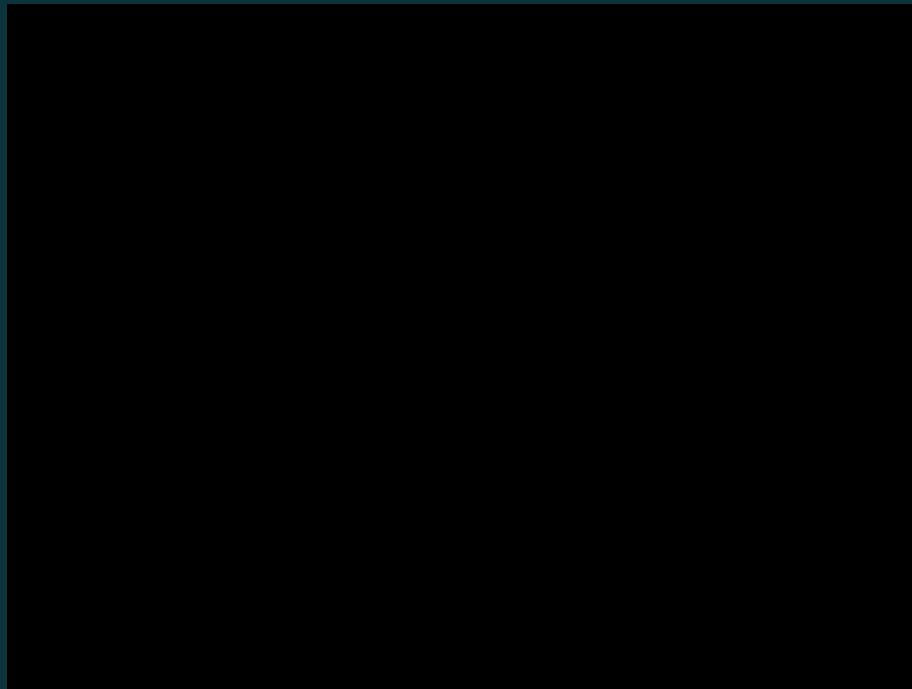
Gravity Constant

Wind speed calculation

Love in the air level

Take with you offer

Let's see how's the weather



Temperature 2.31°C
Cloud status: irmb
Gravity: 9.8
Wind speed: 297 km/h

Love in the air level: *
TakeWithYou:
important: Julia Roberts

Should wear: [lipstick,
terrible parfum,
no smink,
leather t-shirt,
polar socks,
knitted skirt,
pink boots,
hair net,
fake glasses,
wrist clamp]

Silly Weather by jones

Temperature: 2.31°C
Cloud status: lrmnb
Gravity: 9.8
Wind speed: 297 km/h

Love in the air level: *
TakeWithYou:
important: Julia Roberts

Should wear: [lipstick,
terrible perfume,
no smink,
leather t-shirt,
polar socks,
knitted skirt,
pink boots,
hair net,
fake glasses,
wrist clamp]

Thank you!

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