**Date**

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Date() => create Date obj with the current data ,timeand day

Date.now() =>method return the time from 1/1/1970 to the current time in amilisecond

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Date methods#

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A computer screen with text and numbers

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Set date and time #

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Ex:

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#Formating Date and Time

Date() => ممكن امررله تاريخ باي صيغة من الصيغ التالية مثلا ممكن بس رقم السنة وممكن بس السنة والشهر وممكن السنة والشهر واليوم وممكن اعطيه مقدار الثواني

timestamp من

1/1/1970

وممكن اعطيه قيم السنة واليوم والشهر كاندكس الخ

Note: اذا اعطيته قيمة مثلا اليوم 35 هون حيفهم انو 31 الهر الحالي و4 أيام من الشهر اللي بعده

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بقدر اكتب التاريخ باي من الصيغ التالية

## Date.pares() => convert date to timestamp(milliseconds)

Note: day [0-6]start from 0 index so Sunday index is zero …

Monthe [0-11] Jan is index 0

Ex:

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##Tracking using Date()

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Ex:

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**بيختلف عن الفنكشن العادي انو هاد فنكشن ما بنعمله رن الا لما احتاجه مثلا ماكنة لحجز التكت لحضور مسرحية بدفع فيها فلوس وبضغط عليها بتعطيني التكت(بتعملها**

**(Generatet**

**الفنكشن العادي لما استدعيه بيتم تنفيذه سطر سطر لحد ما يتم تنفيذ كل الأوامر اللي في اما الجنيرات فنكشن انا بتحكم بشو الاشي اللي بدي اعمله تنفيذ من الكود اللي فيه يعني كل**

**Yiled**

**بتم تنفيذها وبعدها يتم إيقاف الفنكشن لحد ما ينعمل كمان مرة إعادة تشغيل للفنكشن من خلال**

**next()**

**Yield => عملية مسؤولة عن انتاج اشي معين**

**Ex: yield 1 => generate the value one**

**💡 What is a Generator in JavaScript?**

A **Generator** is a special kind of function that you can **pause** and **resume**.

It allows you to produce values **one at a time**, **on demand**, instead of running everything at once.

**🔧 Syntax:**

js

CopyEdit

function\* myGenerator() {

yield 1;

yield 2;

yield 3;

}

Notice the \* after function — that’s what makes it a **generator function**.

**🔁 Using the Generator:**

js

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const gen = myGenerator();

هون صحيحيح عملنا استدعاء للميثود لكن ما حيتم نفيذه الا لما انا اطلب من خلال

next()

console.log(gen.next()); // { value: 1, done: false }

console.log(gen.next()); // { value: 2, done: false }

console.log(gen.next()); // { value: 3, done: false }

console.log(gen.next()); // { value: undefined, done: true }

* Every call to .next() gives you the **next yielded value**.
* When it's done, done: true.

**🧠 Why are Generators useful?**

* You can **pause** a function at any point using yield.
* Useful for:
  + Handling **asynchronous tasks**
  + Creating **custom iterators**
  + **Lazy-loading** values (only generate when needed)

**✅ Example: Custom Counter Generator**

js

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function\* counter() {

let i = 1;

while (true) {

yield i++;

}

}

const c = counter();

console.log(c.next().value); // 1

console.log(c.next().value); // 2

console.log(c.next().value); // 3

It keeps counting forever, one call at a time — great for things like IDs, infinite scrolling, pagination... etc.

**🧪 Summary:**

| **Concept** | **Description** |
| --- | --- |
| function\* | Creates a generator function |
| yield | Pauses the function and returns a value |
| .next() | Resumes from the last pause point |

#Generate Delegate

##Infinit Generator

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#Models Import ,Export

Models is Unit of code Responsible for a specific job

Ex : model for dealing with database

Model for dealing with image contain method for control in image

بكون ملف فيه مجموعة من الدوال بتتعامل مع الصور مثلا دالة بتعمل resize for Image

ودالة بتعمل crop for image ets

في أي ملف ثاني في المشروع بحتاج اتعامل مع الصور بقدر اعمل import للدالة اللي بحتاجها من هاد الملف

1-

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2-In app.js

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3- in app file import the main file A screen shot of a computer

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##

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#import every thing from models

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