Agenda

→ What are promis combinatrics?

→ Promise.all, Promise.allSettled, race, any

Promise combinatrics are methods that are defined in JS to manage multiple promises.

1) Promise.all

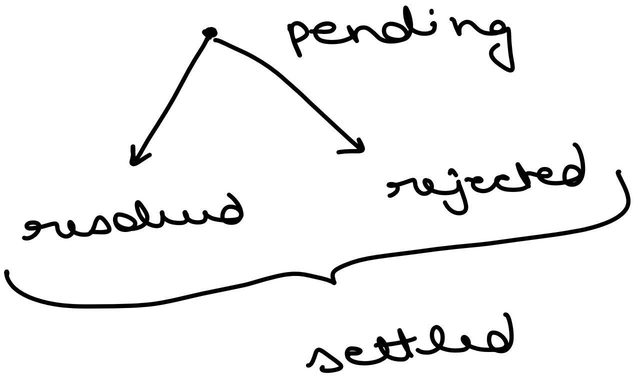
Use:- Waits for all promises to be resolved before moving on.

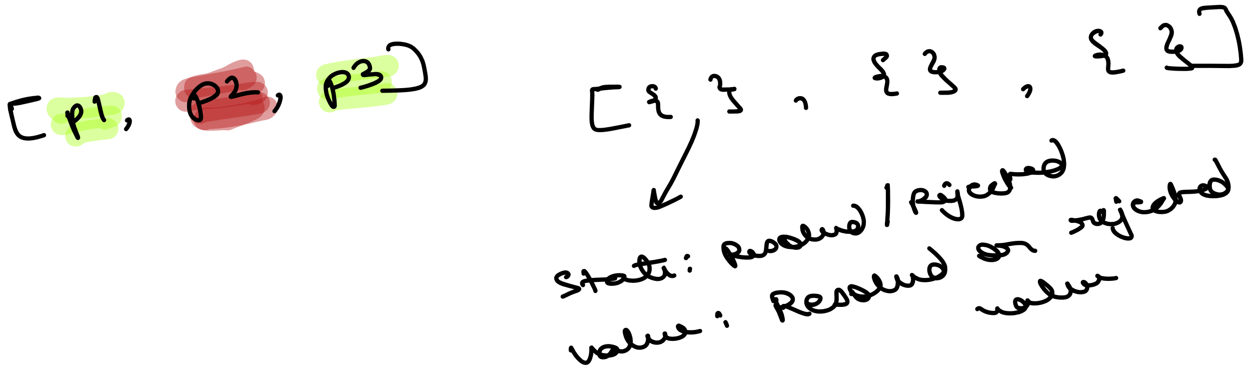
Behavior:- Takes in an array of promises and return a single promise which resolves when all the promises in the array are resolved. It gets rejected when any one promise in the array is rejected.

2) Promise.allSettled:-

Use:- Similar to promise.all(), but when you want to wait for all promise to complete.

Behaviour :- Take an array of promises and returns a promise. It resolves when all promises in the array is settled, irrespective of whether they were resolved or rejected.





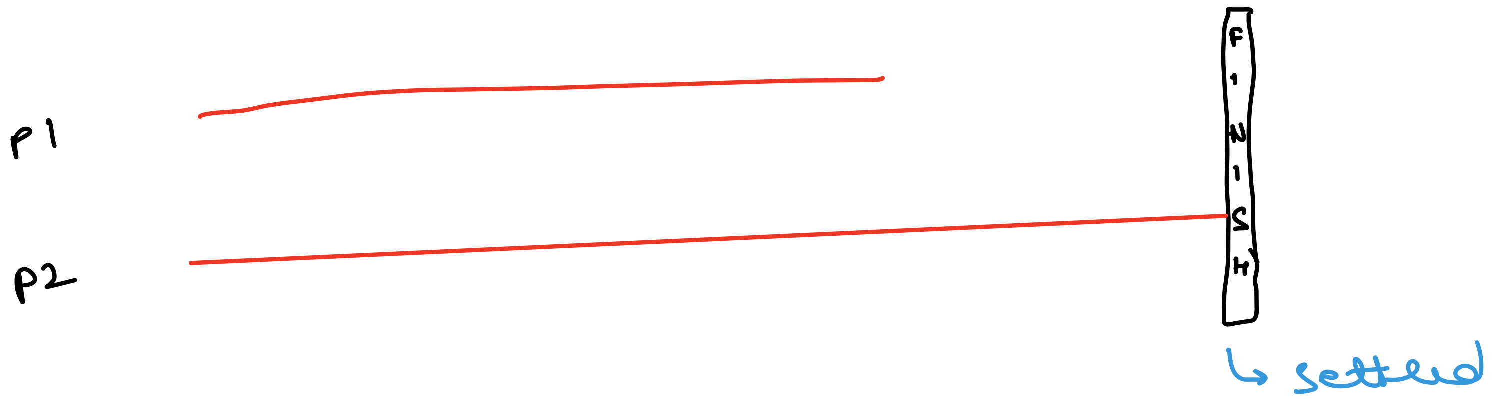
3) Promise.race :-

Use:- When you need to run multiple promises but only care about the one which finishes first.

Behaviour:- It resolves or rejects as

soon as the first promise is settled.

[p1 , p2]



4) Promise. any

Use:- Similar to above, but it rejects if all of the input promises have rejected.

Behaviour:- It return the first promise which resolved. Only gets rejected when all promises in the array are rejected.

[p1 , p2 , p3]