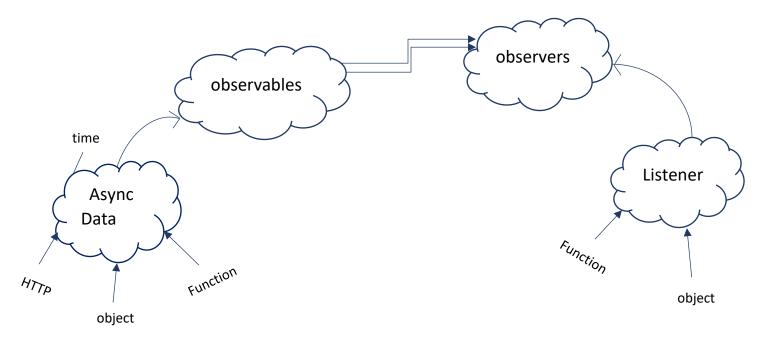
## **RxJS**

RxJS stands for (Reactive Extensions for JavaScript) is a library for reactive programming using observables that makes it easier to compose asynchronous or callback-based code.

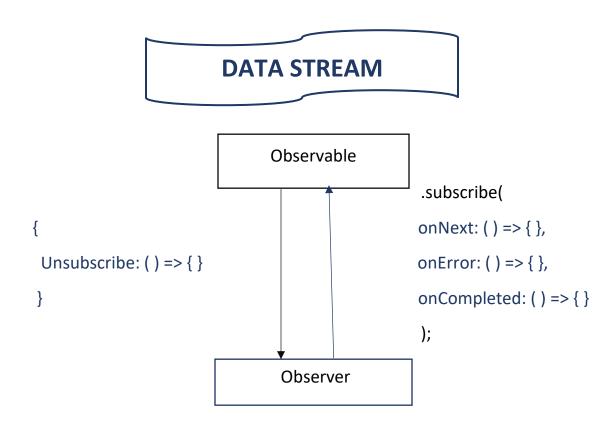
The main goal of RxJS is to handle asynchronous data stream easily.

## **Observable and Observer**



**Observables** represent async data stream observers represent listener who is actually interested to hear this data stream

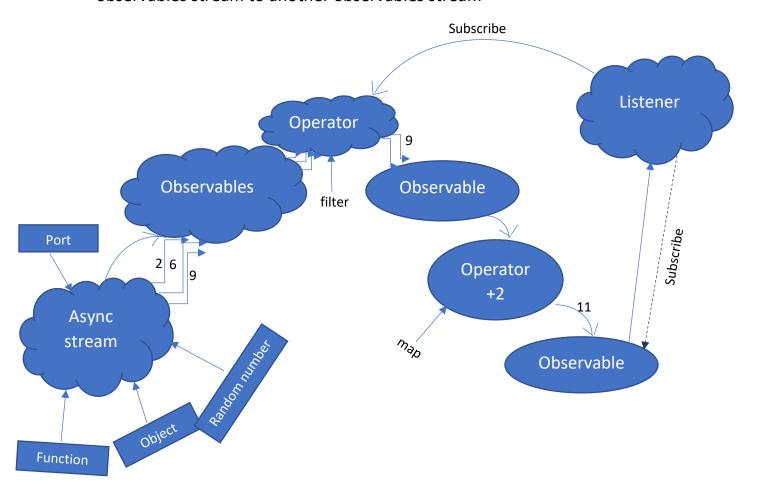
Observables and observers are nothing but they are RxJS objects, observables represent Async data stream and observers is nothing but a function which is subscribe to that observables and listen to that data stream and receive the data stream



The goal of subscribe method is to attach Async data with listener

## **Operators**

Operators are nothing but they are small pice of logic which actually convert an observables stream to another observables stream



Observables are nothing but they are small piece of logic which you can plugin into the pipe line and you can apply filter, map, sort with the help of RxJS operator

## Example

https://stackblitz.com/edit/angular-amjs78?file=src/app/app.component.ts

