Observable –

* stream of data that observe that any data changes it is required
* To read data of observable need subscriber.
* If any change occur in observable data can only be access when subscribe it.
* It is special type of function that contain a data or stream of data that observer is there any new data coming or any change in existing data.
* Subscriber identified that change and subscribe that data in a stream.
* It is lazy stream of data / lazy push collection of multiple values
* Three parts of observable : next ,complete and error
* Next : used to send value from observable to subscriber (send data one by one)
* Complete : not send any stream of data but indicate that observable is completed. There is no data left for emit.It does not return any data
* Error : this notice and notify there is an error in observable
* Two methods to create observable : 1) observable constructor 2) using observable .create method

Methods of Observable –

1. observable constructor

* Syntax: const c = new Observable(subscriber=>{

subscriber.next(1);

subscriber.complete();

});

- Use : subscribe that observable

c.subscribe({

next(x){},

error(e){},

complete();

})

1. using observable .create method

Syntax: var o = Observable.create(function subscribe(subs){

Subs.next(:”ww”)});

Use : o.subscibe(x=>console.log());

Observer-

* Object of observable
* Function with callback : call when there is change in observable
* Example : Mouse Event click