OPERATORS

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| 1. Map and Tap  * The **tap** and **map** are both RxJS operators, RxJS operators are just function that performs some manipulation over the data. * Both of them are pipeable operators which takes input as Observable, perform some action and return an output observable   **Difference between map and tap:**  **MAP:-**   * The **map** is a pipeable operator that takes an input observable, performs some manipulation on it and returns a new manipulated observable. * The purpose of map is to **transform** the emitted values of the observable  |  | | --- | | **E.g.:-**  const source$ = of(1,2,3) // observable which will emit 1,2,3  // It take an input observable and return a new observable which will emit square of input values.  // So, the output observable will emit 1,4,9  const mapSource$ = of(1,2,3).pipe(map(value => value \* value)) |   **TAP:-**   * The **tap** operator on another hand takes an input observable perform some action and returns the same input observable. * The purpose of tap is to **execute an action** keeping the same value of the observable  |  | | --- | | **E.g.:**  const source$ = of(1,2,3) // observable which will emit 1,2,3  // It take an input observable and return a same observable after console value.  // So, the output observable will emit 1,2,3  const tapSource$ = of(1,2,3)  .pipe(tap(value => console.log(value))) | |