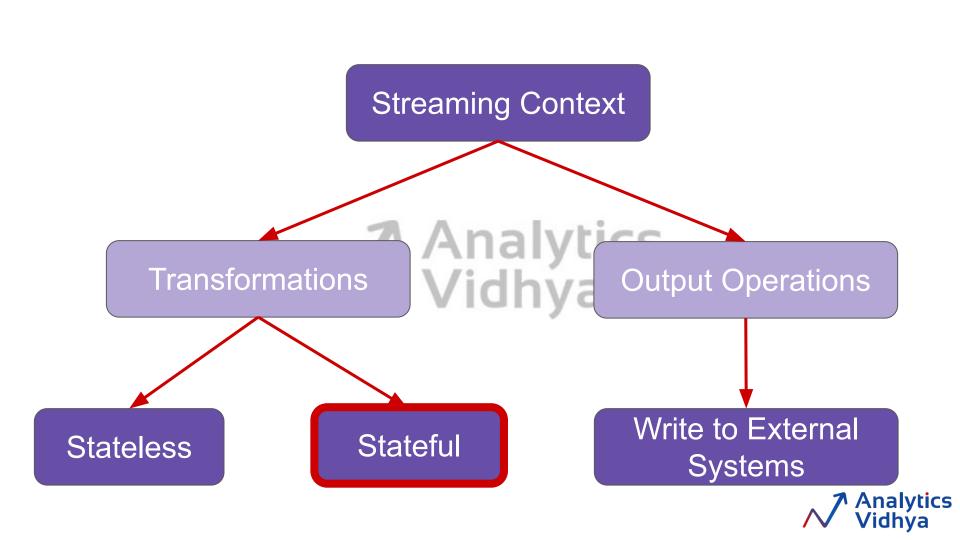
Stateful Transformations

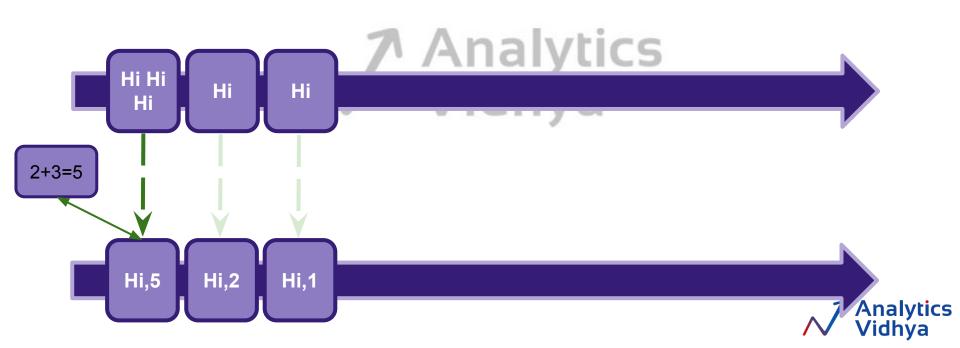


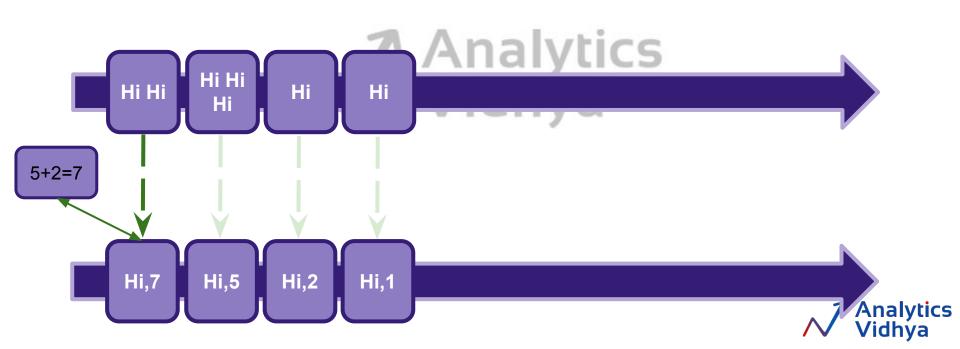


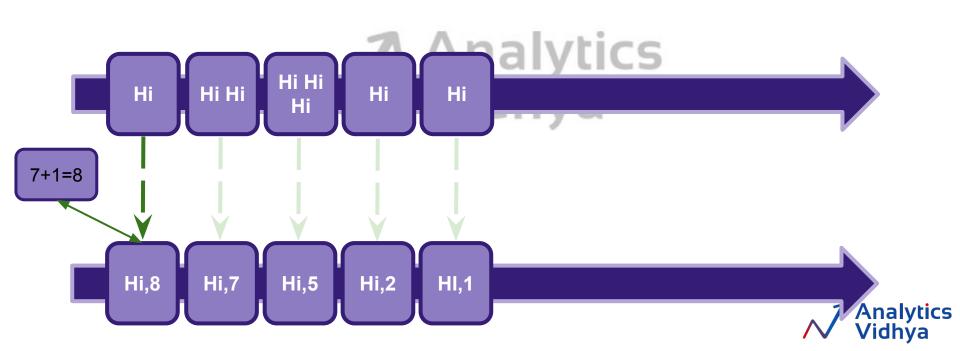
Stateful stream processing means that a "state" is shared between events and therefore past events can influence the way current events are processed

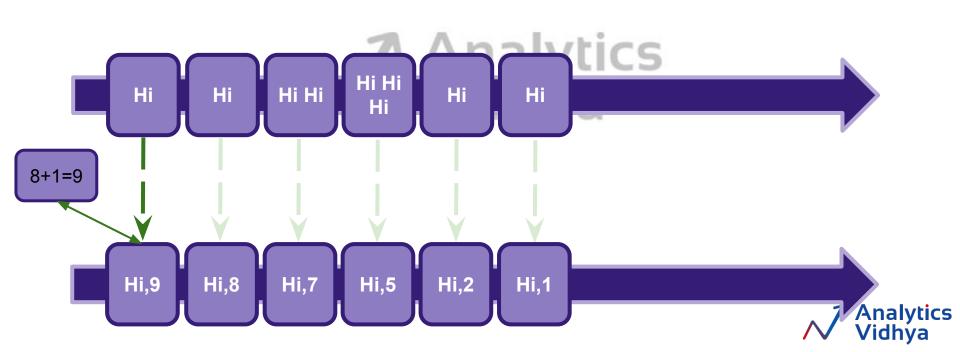


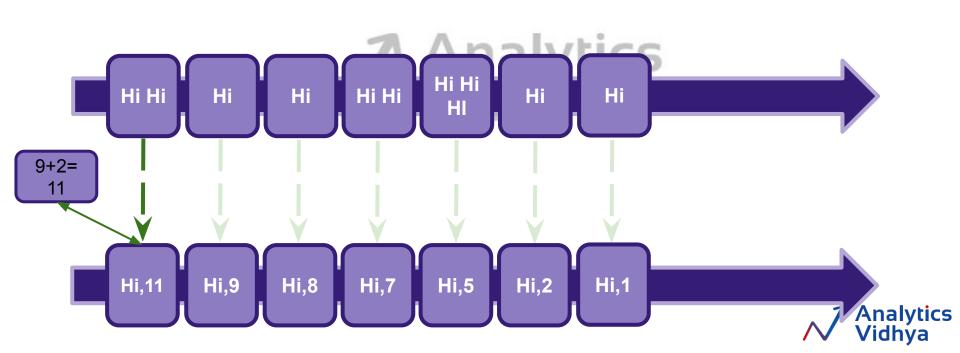


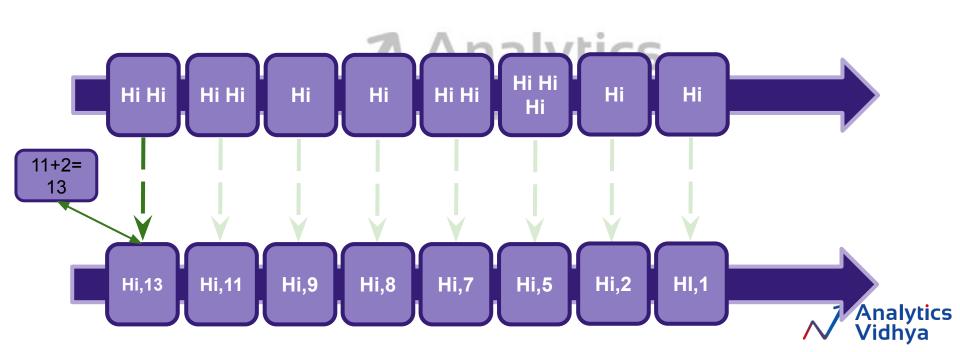


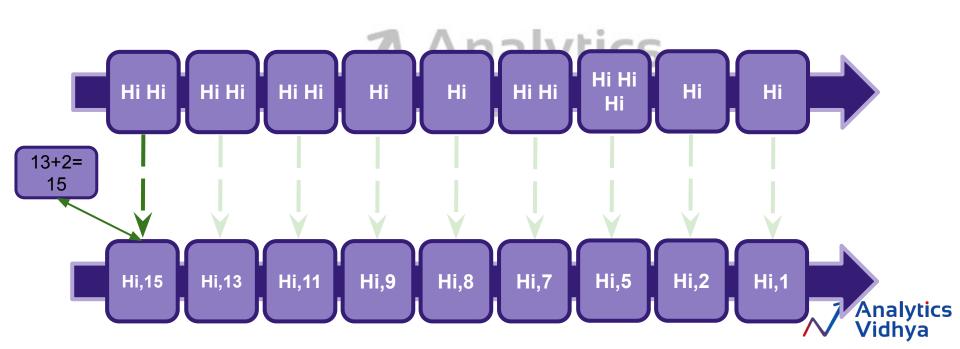












Stateful Operation

- Two main types:

 - Full session tracking
 Windowed operations Vidhya



Stateful transformations

Full Session Tracking

updateStateByKey() mapWithState() Windowed Operations

window()
countByWindw()
reduceByWindow()
reduceByKeyAndWindow()
countByValueAndWindow



Thank Youtics Vidhya

