- 1. Skrypty osobny plik
- 2. Utrzymanie czasu rzeczywistego, transformacje

```
DataStream<MovieTitles> movieTitles = titlesStream.map((MapFunction<String, String[]>) txt -> txt.split(regex ", '))

.filter(array -> array.length == 3)
.filter(array -> array[0].matches(regex "\\d+") && array[1].matches(regex "\\d+"))
.map(array -> new MovieTitles(Integer.parseInt(array[0]), Integer.parseInt(array[1]), array[2]));

DataStream<NetflixPrize> netflixPrizeDS = inputStream.map((MapFunction<String, String[]>) txt -> txt.split(regex ","))
.filter(array -> array.length == 4)
.filter(array -> array[1].matches(regex "\\d+") && array[2].matches(regex "\\d+") && array[3].matches(regex "\\d+"))
.map(array -> new NetflixPrize(array[0], Integer.parseInt(array[1]), Long.parseLong(array[2]), Integer.parseInt(array[3])));

DataStream<NetflixPrize> rr = netflixPrizeDS.join(movieTitles) JoinedStreams<NetflixPrize, MovieTitles>
.where(netflixPrize -> netflixPrize.getFilmId()) JoinedStreams<...>Where<....> Where<....> EqualTo
.window(TumblingProcessingTimeWindows.of(Time.seconds(1))) JoinedStreams<...> Where<....> WithWindow<...>
.apply((r, s) -> new NetflixPrize(r.getDate(), r.getFilmId(), r.getUserId(), r.getRate(), s.getTitle(), s.getYear()));
```

3. Obsługa trybu C