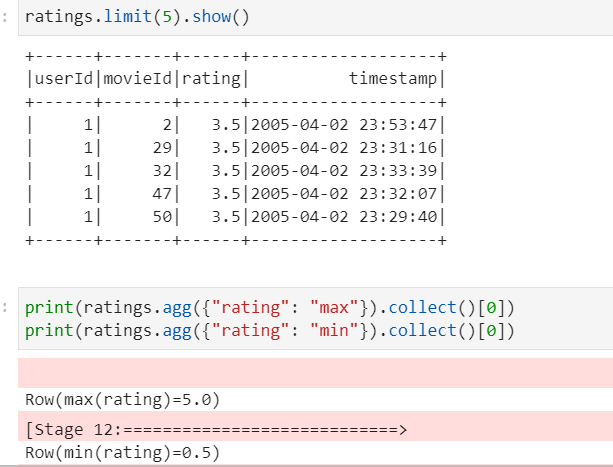
# ALS Algorithm

## Import Lib and init spark

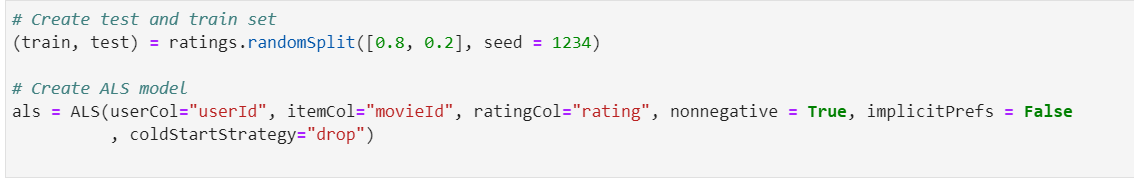


## Read data:

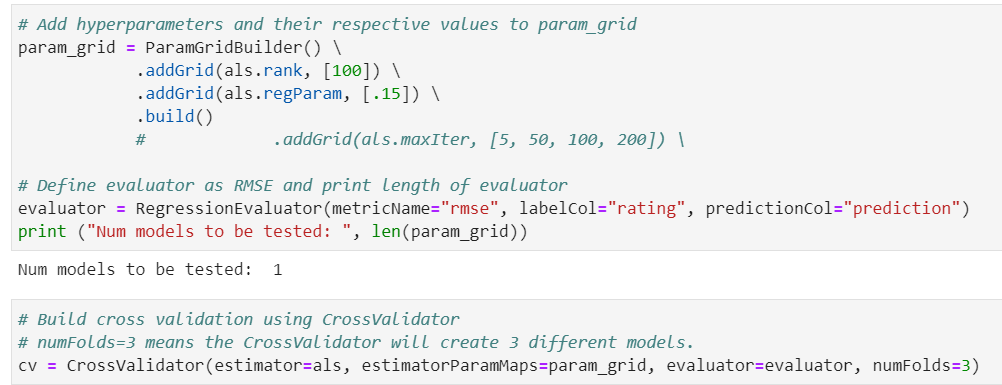




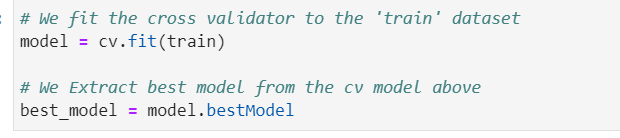
## Create test, train set and als model



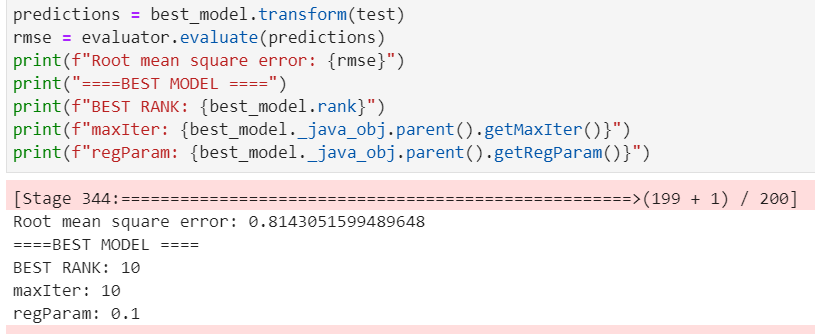
## Add hyperparameters and build cross validation



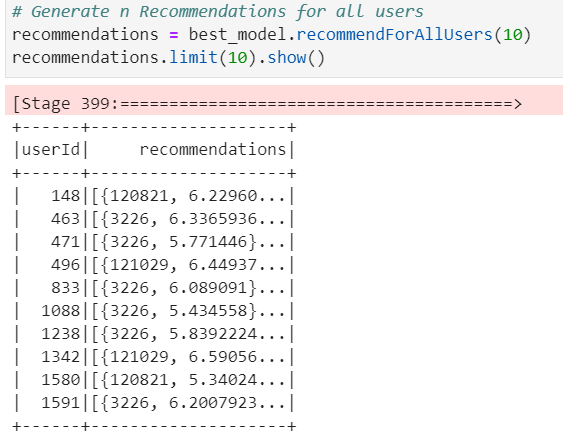
## Fit Model and get best model



## Calculate RMSE



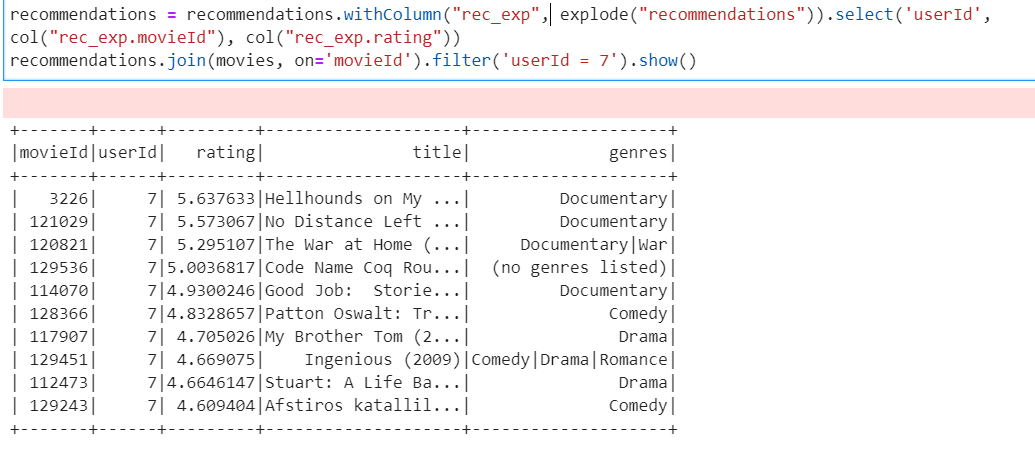
## Recommend movies for all users



## Find 7th User’s Actual Preference:



## Recommend film for 7th user

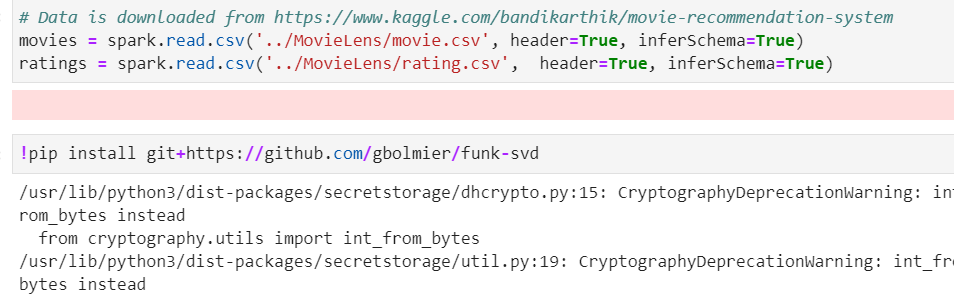


# SVD Algorithm

## Import Lib and init spark, dask



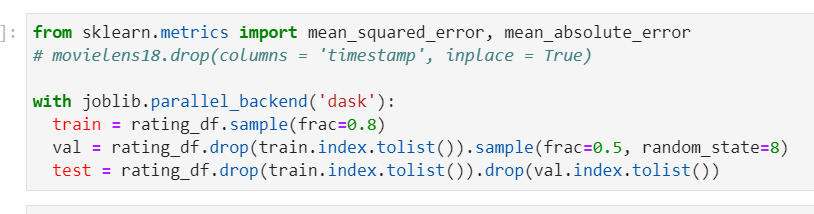
## Read data and install funk-svd lib



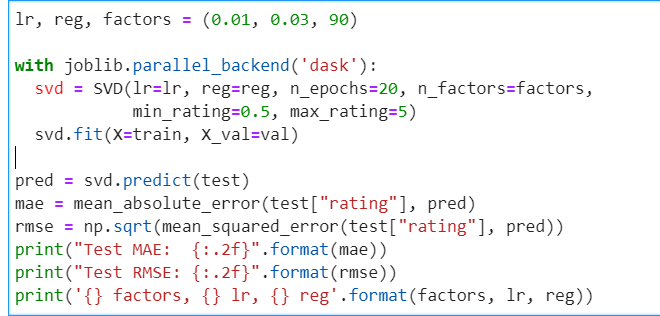
## Convert pyspark dataframe to pandas dataframe

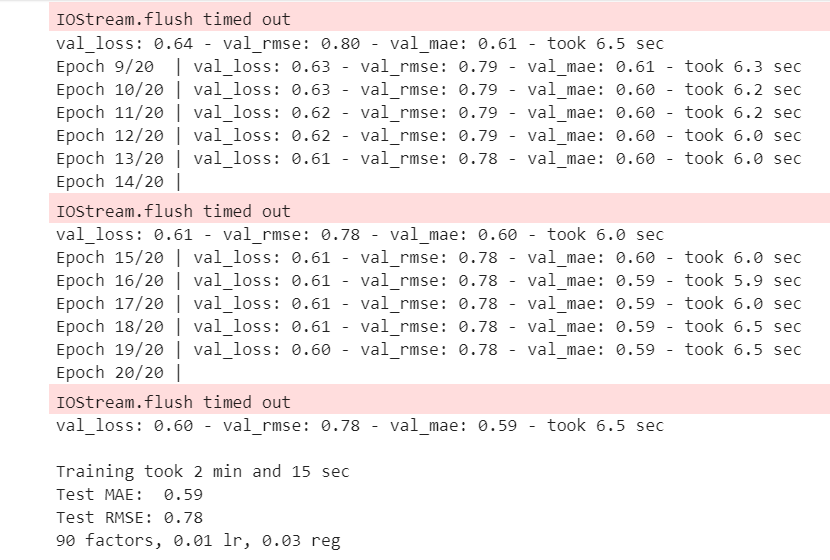


## Split data to train, test, validate set



## Fit Model





## Function to recommend movies:

