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#!/usr/bin/env python

#the above just indicates to use python to interpret this file

import sys      #a python module with system functions for this OS

import pymongo   # python MongoDB module

#connect with mongo DB here

from pymongo import MongoClient

client = MongoClient()

#set the database

db = client['moviesdb']

#set the collection

movieCollection = db.movies3

# -----

# this 'for loop' will set 'line' to an input line from system

#  standard input file

# -----

for line in sys.stdin:

#sys.stdin call 'sys' to read a line from standard input,

# note that 'line' is a string object, ie variable, and it has methods that you can apply to it,

# as in the next line

# -----

# movie file format -->MovieID::Title::Genres

#1::Toy Story (1995)::Adventure|Animation|Children|Comedy|Fantasy

    line = line.strip() #strip is a method, ie function, associated

                        # with string variable, it will strip the carriage return (by default )

    movieID,title,genres = line.split("::") #split line at blanks (by default)

    movieGenres = genres.replace("|",",")

#print('{0}\t{1}\t{2}'.format(movieID, title, movieGenres) ) #the {} is replaced by 0th,1st items in format
list

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#insert data into mongo

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movie_record = {"movieId": movieID,"title":title,"genres":[movieGenres]}
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movieCollection.insert_one(movie_record)
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```
print('{0}\t{1}\t{2}'.format(movieID, title, movieGenres) )
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