//Reference: <https://www.youtube.com/watch?v=GURClZeR96E&t=662s>

package com.sdsu.edu;

import java.rmi.\*;

import java.util.Queue;

import java.util.concurrent.ConcurrentHashMap;

//This interface extends the remote interface which makes the following methods to be invoked remotely

public interface MessageInterface extends Remote{

//this method is invoked by the student process to send the student name and course name to message queue

public void studentRequest(String name, String course) throws RemoteException;

//this method is invoked by the advisor process to get the course list from message queue

public Queue<String> advisorRequest() throws RemoteException;

//this method is invoked by the advisor to send the response for each course to message queue

public void advisorResponse( String course, String response) throws RemoteException ;

//this method is invoked by the notification process to get the advisor response

public ConcurrentHashMap<String, String> getAdvisorResponse() throws RemoteException;

}