//////////ZMOVIES/////////////////

import java.util.Map;

import java.util.Scanner;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.List;

public class MovieMain {

private Map<String,Float> movieDetailsMap = new HashMap<String,Float>();

public Map<String,Float> getMovieDetailsMap(){

return movieDetailsMap;

}

public void setMovieDetailsMap(Map<String,Float> movieDetailsMap) {

this.movieDetailsMap=movieDetailsMap;

}

public float findMovieRating(String movieName) {

for(Map.Entry<String,Float> entry: movieDetailsMap.entrySet()) {

if(entry.getKey().equalsIgnoreCase(movieName)) {

return entry.getValue();

}

}

return -1;

}

public List<String> findMoviesWithHighestRating(){

//

ArrayList<String> list = new ArrayList<>();

for(Map.Entry<String,Float> entry: movieDetailsMap.entrySet()) {

if(entry.getValue()>4.0f) {

list.add(entry.getKey());

}

}

return list;

}

public static void main(String[] args) {

MovieMain book = new MovieMain();

List<String> list1 = new ArrayList<String>();

Map<String,Float> map = new HashMap<String,Float>();

Scanner sc = new Scanner(System.in);

System.out.println("Enter number of records to be added:");

int n = sc.nextInt();

System.out.println("Enter the Movie records (Movie Name : Rating):");

String[] bookDetails = new String[n];

sc.nextLine();

for(int i=0;i<n;i++) {

bookDetails[i] = sc.nextLine();

}

for(int i=0;i<bookDetails.length;i++) {

String[] a = bookDetails[i].split(":");

map.put(a[0], Float.parseFloat(a[1]));

book.setMovieDetailsMap(map);

}

System.out.println("Enter the movie name needs to be searched");

String search = sc.nextLine();

float rating = book.findMovieRating(search);

if(rating==-1) {

System.out.println(search+" is an invalid movie name");

}

else {

System.out.println(rating);

}

list1 = book.findMoviesWithHighestRating();

if(list1!=null && list1.size()>=1) {

System.out.println("The names of the movies with the highest rating are:");

for(String s:list1) {

System.out.println(s);

}

}

else

System.out.println("No movies were found with highest rating");

}

}

/////////////HYATT IQ LEVEL/////////

import java.util.ArrayList;

import java.util.HashMap;

import java.util.List;

import java.util.Map;

import java.util.Scanner;

public class ParticipantInfo {

private Map<String,Integer> participantMap;

public Map<String,Integer> getParticipantMap(){

return participantMap;

}

public void setParticipantMap(Map<String,Integer> participantMap) {

this.participantMap=participantMap;

}

public int findTheIQLevelforGivenParicipantName(String participantName) {

//

for(Map.Entry<String, Integer> entry: participantMap.entrySet()) {

if(entry.getKey().equalsIgnoreCase(participantName)) {

return entry.getValue();

}

}

return -1;

}

public List<String> findTheHighestIQLevel(){

//

int max = Integer.MIN\_VALUE;

for(int rating: participantMap.values()) {

if(rating>max) {

max=rating;

}

}

ArrayList<String> list = new ArrayList<>();

for(Map.Entry<String,Integer> entry: participantMap.entrySet()) {

if(entry.getValue()== max) {

list.add(entry.getKey());

}

}

return list;

}

public static void main(String[] args) {

ParticipantInfo participant = new ParticipantInfo();

List<String> list1 = new ArrayList<String>();

Map<String,Integer> map = new HashMap<String,Integer>();

Scanner sc = new Scanner(System.in);

System.out.println("Enter number of records to be added:");

int n = sc.nextInt();

System.out.println("Enter the participant records (Participant name:IQ level):");

String[] participantDetails = new String[n];

sc.nextLine();

for(int i=0;i<n;i++) {

participantDetails[i] = sc.nextLine();

}

for(int i=0;i<participantDetails.length;i++) {

String[] a = participantDetails[i].split(":");

map.put(a[0], Integer.parseInt(a[1]));

participant.setParticipantMap(map);

}

System.out.println("Enter the participant name to be searched");

String search = sc.nextLine();

int value = participant.findTheIQLevelforGivenParicipantName(search);

if(value!=-1) {

System.out.println(value);

}

else {

System.out.println(search+" is an invalid participant name");

}

list1 = participant.findTheHighestIQLevel();

System.out.println("Participant name with the highest IQ level are:");

for(String s:list1) {

System.out.println(s);

}

}

}

////////////REALCHAMPIONSACADEMY/////////////

import java.util.Map;

import java.util.Scanner;

import java.util.List;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.\*;

import java.util.Map.Entry;

public class ParticipantInfo {

private Map<String, Integer> participantMap;

public Map<String, Integer> getParticipantMap() {

return participantMap;

}

public void setParticipantMap(Map<String, Integer> participantMap) {

this.participantMap = participantMap;

}

public int findTheTimeTakenByTheParticipant(String participantName) {

for(Map.Entry<String, Integer> entry: participantMap.entrySet()) {

if(entry.getKey().equalsIgnoreCase(participantName)) {

return entry.getValue();

}

}

return -1;

}

public List<String> findTheParticipantWithTheShortestTime() {

int minTimeTaken = Integer.MAX\_VALUE;

for(int time: participantMap.values()) {

if(time < minTimeTaken) {

minTimeTaken=time;

}

}

ArrayList<String> list = new ArrayList<>();

for(Map.Entry<String, Integer> entry: participantMap.entrySet()) {

if(entry.getValue() == minTimeTaken) {

list.add(entry.getKey());

}

}

return list;

}

public static void main(String[] args) {

ParticipantInfo participant = new ParticipantInfo();

List<String> list1 = new ArrayList<String>();

Map<String,Integer> map = new HashMap<String,Integer>();

Scanner sc = new Scanner(System.in);

System.out.println("Enter number of records to be added:");

int n = sc.nextInt();

System.out.println("Enter the participant records (P"

+ "articipant name:TimeTaken in seconds):");

String[] participantDetails = new String[n];

sc.nextLine();

for(int i=0;i<n;i++) {

participantDetails[i] = sc.nextLine();

}

for(int i=0;i<participantDetails.length;i++) {

String[] a = participantDetails[i].split(":");

map.put(a[0], Integer.parseInt(a[1]));

participant.setParticipantMap(map);

}

System.out.println("Enter the participant name to be searched");

String search = sc.nextLine();

int value = participant.findTheTimeTakenByTheParticipant(search);

if(value!=-1) {

System.out.println(value);

}

else {

System.out.println(search+" is an invalid participant name");

}

list1 = participant.findTheParticipantWithTheShortestTime();

System.out.println("Participant name with the shortest time taken:");

for(String s:list1) {

System.out.println(s);

}

}

}