# Nasim Obeid

# CS A131

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# ICA

# Filename: ICA11

import os

def main():

getdata()

displaydata()

search()

modify()

def getdata():

players = int(input('How many players in this file? '))

nba\_file = open('nba.txt', 'w')

for x in range (1, players + 1):

print("Enter player ", x, "'s data:", sep="")

name = input('Name: ')

number = input('Number: ')

team = input('Team: ')

nba\_file.write(name + '\n')

nba\_file.write(number + '\n')

nba\_file.write(team + '\n')

nba\_file.close()

print("Recorded to nba.txt")

def displaydata():

nba\_file = open('nba.txt', 'r')

name = nba\_file.readline()

while name != '':

num = nba\_file.readline()

team = nba\_file.readline()

name = name.rstrip('\n')

num = num.rstrip('\n')

team = team.rstrip('\n')

print(name, "wears number", num, "and plays on the", team)

name = nba\_file.readline()

name = nba\_file.readline()

nba\_file.close()

def search():

found = False

search = str(input("Search for a player's record: "))

nba\_file = open('nba.txt', 'r')

name = nba\_file.readline()

while name != "":

name = name.rstrip('\n')

if name == search:

found = True

num = nba\_file.readline()

team = nba\_file.readline()

num = num.rstrip('\n')

team = team.rstrip('\n')

print(name, " wears number ", num, " and plays for ", team, ".", sep="")

name = nba\_file.readline()

nba\_file.close()

if found == True:

print('Search completed.')

else:

print('Not Found')

def modify():

found = False

search = str(input("Search for a player's record: "))

new = input('Enter new data: ')

nba\_file = open('nba.txt', 'r')

file2 = open('file2.txt', 'w')

name = nba\_file.readline()

while name != "":

name = name.rstrip('\n')

num = nba\_file.readline()

team = nba\_file.readline()

num = num.rstrip('\n')

team = team.rstrip('\n')

if name == search:

found = True

file2.write(name + '\n')

file2.write(str(new) + '\n')

file2.write(team + '\n')

else:

file2.write(name + '\n')

file2.write(num + '\n')

file2.write(team + '\n')

name = nba\_file.readline()

nba\_file.close()

file2.close()

os.remove("nba.txt")

os.rename("file2.txt", "nba.txt")

if found == True:

print("File Updated.")

displaydata()

else:

print("Not found")

main()

