#Dictionary Example--- Take 3 students data with Name. each student has 2 classes AI & DS and have 4 Exams quiz1,quiz2,mid and final respectively. Take two input as student_rollno and find the max no.

```python
students={}


marks_data5={"quiz1":85,"quiz2":40,"mid":75,"final":95}

marks_data6={"quiz1":65,"quiz2":45,"mid":65,"final":65}


marks_data7={"quiz1":40,"quiz2":55,"mid":50,"final":65}

marks_data8={"quiz1":70,"quiz2":60,"mid":80,"final":85}


#Student 1 data


marks_data1={"quiz1":40,"quiz2":45,"mid":50,"final":55}

marks_data2={"quiz1":35,"quiz2":30,"mid":40,"final":55}


class_list1=[]

class_data1={"name":"AI","marks":marks_data1}

class_list1.append(class_data1)


class_data2={"name":"DS","marks":marks_data2}

class_list1.append(class_data2)


students_1001={

   "name":"itrat",

   "class":class_list1
```

```python
}


#Student 2 data

marks_data3={"quiz1":20,"quiz2":45,"mid":60,"final":55}
marks_data4={"quiz1":30,"quiz2":60,"mid":45,"final":30}


class_list2=[]
class_data3={"name":"AI","marks":marks_data3}
class_list2.append(class_data3)


class_data4={"name":"DS","marks":marks_data4}
class_list2.append(class_data3)


students_1002={
    "name":"Ali",
    "class":class_list2
}


#Student 3 data

marks_data5={"quiz1":20,"quiz2":45,"mid":60,"final":55}
marks_data6={"quiz1":30,"quiz2":60,"mid":45,"final":30}
```

```python
class_list3=[]

class_data5={"name":"AI","marks":marks_data3}

class_list3.append(class_data5)


class_data6={"name":"DS","marks":marks_data4}

class_list3.append(class_data6)


students_1003={

    "name":"Komal",

    "class":class_list3

}

students={"students_1001":students_1001,

        "students_1002":students_1002,

        "students_1003":students_1003

}


#print(students)


input_key_sname=input("Enter student id")

input_key_cname=input("Enter Class name")


find_classname=students[input_key_sname]
```

```python
for items in find_classname["class"]:

    if items["name"]==input_key_cname:#"AI":

        #print(items["marks"])

        find_marksname=items["marks"]



max=0

exam=""

for item,key in find_marksname.items():

    if max<key:

        max=key

        exam=item

        #print("\n" + item + ":" + str(key))


print(input_key_sname + ' Name: ' + find_classname["name"] + ' Max marks in ' + exam + "=" + str(max))
```