

INTERNSHIP REPORT
ON
PYTHON COMPITATIVE CODEING

A internship Report is submitted
In accordance with requirement of degree of

BACHELOR OF TECHNOLOGY
IN
Computer science and information technology

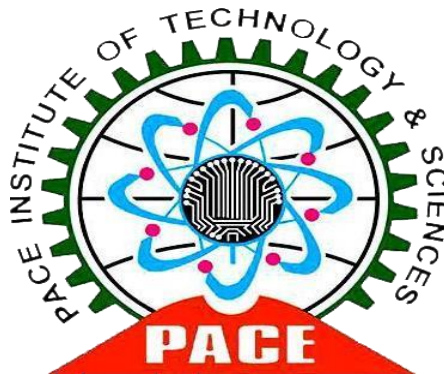
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(AUTONOMOUS)

(Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada &

Accredited by NAAC 'A' GRADE, An ISO 9001-2015 Certified Institution)

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EXPLORE ELITE

Description:

- This project is about all travelling facilities or packages available for a trip planning.
- It is the travelling guide containing the facilities on based selective packages.
- There are same packages which contain the information for the facilities.
- Like it contain no.of tickets,how many people for the package,staying and places that contain in packages.

Requirements:

- Places to go where they are tourist palces and visitable sites.
- How many people are going.
- No.of tickets they required.
- Price of the tickets.
- Food they want particular.
- For staying room requirement.
- Prices are fixed for different packages.

INPUT:

Place you want to visit:

No.of people:

You want food:

Room type(luxury/normal):

3 days package or 4 days package:

You need entertainment or not:

For single per 15000 luxury and for normal 10000

OUTPUT:

your ticket confirmed

price 15000

your ticket confirmed

price 10000

FUNCTIONS:

sets,dictionary,list,max,sort

SOURCE CODE:



```
s=[]
def add_details(tourid,source,destination,days,distance,packagecost):
    details={
        'tourid':tourid,
        'source':source,
        'destination':destination,
        'days':days,
        'distance':distance,
        'packagecost':packagecost,
    }
    s.append(details)
n=int(input('enter number of packages:'))
for i in range(n):
    tourid=int(input('enter the tourid:'))
    source=input('enter the source:')
    destination=input('enter the destination:')
    days=int(input('enter the days:'))
    distance=int(input('enter the distance:'))
    packagecost=int(input('enter the packagecost:'))
    add_details(tourid,source,destination,days,distance,packagecost)
print('Tourid\tsource\tdestination\tDays\tDistance\tPackagecost')
for i in range(n):
    print(s[i])
tid=int(input('enter tour id:'))
for i in range(n):
    if s[i]['tourid']==tid:
        print(s[i]['source'],s[i]['destination'],s[i]['days'],s[i]['distance'],s[i]['packagecost'])
```

```

k=input('enter starting point:')
c=0
for i in range(n):
    if s[i]['source']==k:
        c=c+1
print(c)
h=int(input('no.of days:'))
j=0
for i in range(n):
    if s[i]['days']<h:
        j=j+1
print(j)
l=int(input('enter the distance you require above :'))
a=0
for i in range(n):
    if s[i]['distance']>l:
        a=a+1
print(a)
b,e=map(int,input().split())
d=0
for i in range(n):
    if s[i]['packagecost'] in range(b,e+1):
        d=d+1
print('range:',d)
f=[]
for i in range(n):
    f.append(s[i]['packagecost'])
mn=min(f)
for i in range(n):
    if s[i]['packagecost']==mn:
        print('lowest cost:',s[i]['tourid'])

```

OUTPUT:

```

Python 3.12.1 - C:/Users/PACE/AppData/Local/Programs/Python/Python312/out.py (3.12.1)
File Edit Shell Debug Options Window Help
Python 3.12.1 (tags/v3.12.1:2305ca5, Dec 7 2023, 22:03:25) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/PACE/AppData/Local/Programs/Python/Python312/rtfghre.py
enter number of packages:20
enter the tourid:161
enter the source:bangalore
enter the destination:pondi
enter the days:4
enter the distance:500
enter the packagecost:5000
enter the tourid:121
enter the source:chennai
enter the destination:mumbai
enter the days:6
enter the distance:600
enter the packagecost:2000
enter the tourid:131
enter the source:ongole
enter the destination:hyd
enter the days:7
enter the distance:500
enter the packagecost:3000
enter the tourid:171
enter the source:viij
enter the destination:ongole
enter the days:3
enter the distance:300
enter the packagecost:2678
enter the tourid:141
enter the source:pondi
enter the destination:goa
enter the days:3
enter the distance:200
enter the packagecost:12345
enter the tourid:131
enter the source:rajamundry
enter the destination:goa
enter the days:5
enter the distance:356
enter the packagecost:23456
enter the tourid:444
enter the source:ong
enter the destination:goa
enter the days:4
enter the distance:299
enter the packagecost:44000
enter the tourid:667
enter the source:hyd
enter the destination:mumbai

```

```

IDLE Shell 3.12.1 - C:/Users/PACE/AppData/Local/Programs/Python/Python312/out.py (3.12.1)
File Edit Shell Debug Options Window Help
enter the distance:299
enter the packagecost:144000
enter the tourid:667
enter the source:hyd
enter the destination:mumbai
enter the days:8
enter the distance:600
enter the packagecost:6640
enter the tourid:876
enter the source:guntur
enter the destination:luknow
enter the days:5
enter the distance:6000
enter the packagecost:4599
enter the tourid:786
enter the source:goa
enter the destination:manipur
enter the days:4
enter the distance:590
enter the packagecost:167000
enter the tourid:234
enter the source:delhi
enter the destination:hyd
enter the days:3
enter the distance:790
enter the packagecost:55000
enter the tourid:879
enter the source:chennai
enter the destination:ong
enter the days:7
enter the distance:499
enter the packagecost:66000
enter the tourid:500
enter the source:ong
enter the destination:russia
enter the days:9
enter the distance:200000
enter the packagecost:454336
enter the tourid:888
enter the source:hyd
enter the destination:russia
enter the days:8
enter the distance:550000
enter the packagecost:123000
enter the tourid:909
enter the source:ong
enter the destination:manipur
enter the days:9
enter the distance:23400
enter the packagecost:456800
Ln 138 Col 0

```

```

IDLE Shell 3.12.1 - C:/Users/PACE/AppData/Local/Programs/Python/Python312/out.py (3.12.1)
File Edit Shell Debug Options Window Help
enter the tourid:184
enter the source:vi1
enter the destination:kolkatta
enter the days:5
enter the distance:453
enter the packagecost:56423
enter the tourid:534
enter the source:ong
enter the destination:asia
enter the days:56
enter the distance:7655
enter the packagecost:5687215
enter the tourid:43
enter the source:russia
enter the destination:germany
enter the days:5
enter the distance:56998
enter the packagecost:57678
enter the tourid:546
enter the source:chennai
enter the destination:paris
enter the days:43
enter the distance:547235487
enter the packagecost:54763
enter the tourid:5634
enter the source:ong
enter the destination:france
enter the days:55
enter the distance:74548
enter the packagecost:56579
Tourid source destination Days Distance Packagecost
{'tourid': 161, 'source': 'bangalore', 'destination': 'pondi', 'days': 4, 'distance': 500, 'packagecost': 8000}
{'tourid': 121, 'source': 'chennai', 'destination': 'mumbai', 'days': 6, 'distance': 600, 'packagecost': 2000}
{'tourid': 181, 'source': 'ongole', 'destination': 'hyd', 'days': 7, 'distance': 500, 'packagecost': 3000}
{'tourid': 171, 'source': 'vi1', 'destination': 'ongole', 'days': 3, 'distance': 300, 'packagecost': 2678}
{'tourid': 141, 'source': 'pondi', 'destination': 'goa', 'days': 3, 'distance': 200, 'packagecost': 12345}
{'tourid': 131, 'source': 'rajamundry', 'destination': 'goa', 'days': 5, 'distance': 356, 'packagecost': 23456}
{'tourid': 444, 'source': 'ong', 'destination': 'goa', 'days': 4, 'distance': 299, 'packagecost': 44000}
{'tourid': 667, 'source': 'hyd', 'destination': 'mumbai', 'days': 8, 'distance': 600, 'packagecost': 6640}
{'tourid': 876, 'source': 'guntur', 'destination': 'luknow', 'days': 5, 'distance': 6000, 'packagecost': 4599}
{'tourid': 786, 'source': 'goa', 'destination': 'manipur', 'days': 4, 'distance': 590, 'packagecost': 67000}
{'tourid': 234, 'source': 'delhi', 'destination': 'hyd', 'days': 3, 'distance': 790, 'packagecost': 55000}
{'tourid': 678, 'source': 'chennai', 'destination': 'ong', 'days': 7, 'distance': 499, 'packagecost': 66000}
{'tourid': 500, 'source': 'ong', 'destination': 'usa', 'days': 9, 'distance': 200000, 'packagecost': 454336}
{'tourid': 888, 'source': 'hyd', 'destination': 'russia', 'days': 9, 'distance': 550000, 'packagecost': 123000}
{'tourid': 909, 'source': 'ong', 'destination': 'manipur', 'days': 9, 'distance': 23400, 'packagecost': 459800}
{'tourid': 584, 'source': 'vi1', 'destination': 'kolkatta', 'days': 5, 'distance': 453, 'packagecost': 56423}
{'tourid': 534, 'source': 'ong', 'destination': 'asia', 'days': 56, 'distance': 7655, 'packagecost': 5687215}
{'tourid': 43, 'source': 'russia', 'destination': 'germany', 'days': 5, 'distance': 56998, 'packagecost': 57678}
{'tourid': 546, 'source': 'chennai', 'destination': 'paris', 'days': 43, 'distance': 547235487, 'packagecost': 54763}
Ln 159 Col 0

```

```
IDLE Shell 3.12.1 - C:/Users/PA/CE/AppData/Local/Programs/Python/Python312/out.py (3.12.1)
File Edit Shell Debug Options Window Help
enter the source:usa
enter the destination:germany
enter the days:5
enter the distance:56998
enter the packagecost:57678
enter the tourid:546
enter the source:chennai
enter the destination:paris
enter the days:43
enter the distance:547235487
enter the packagecost:54763
enter the tourid:5634
enter the source:ong
enter the destination:france
enter the days:55
enter the distance:74549
enter the packagecost:56579
Tourid source destination Days Distance Packagecost
({'tourid': 161, 'source': 'bangalore', 'destination': 'pondi', 'days': 4, 'distance': 500, 'packagecost': 5000})
({'tourid': 121, 'source': 'chennai', 'destination': 'mumbai', 'days': 6, 'distance': 600, 'packagecost': 2000})
({'tourid': 131, 'source': 'ongole', 'destination': 'hyd', 'days': 7, 'distance': 500, 'packagecost': 3000})
({'tourid': 171, 'source': 'vij', 'destination': 'ongole', 'days': 3, 'distance': 300, 'packagecost': 2678})
({'tourid': 181, 'source': 'pondi', 'destination': 'goa', 'days': 8, 'distance': 200, 'packagecost': 12345})
({'tourid': 131, 'source': 'rajamundary', 'destination': 'goa', 'days': 5, 'distance': 356, 'packagecost': 23456})
({'tourid': 449, 'source': 'ong', 'destination': 'goa', 'days': 4, 'distance': 299, 'packagecost': 44000})
({'tourid': 467, 'source': 'hyd', 'destination': 'mumbai', 'days': 8, 'distance': 600, 'packagecost': 6640})
({'tourid': 876, 'source': 'guntur', 'destination': 'luknow', 'days': 5, 'distance': 6000, 'packagecost': 4599})
({'tourid': 756, 'source': 'goa', 'destination': 'manipur', 'days': 4, 'distance': 590, 'packagecost': 67000})
({'tourid': 236, 'source': 'delhi', 'destination': 'hyd', 'days': 3, 'distance': 790, 'packagecost': 55000})
({'tourid': 678, 'source': 'chennai', 'destination': 'ong', 'days': 7, 'distance': 499, 'packagecost': 66000})
({'tourid': 500, 'source': 'ong', 'destination': 'usa', 'days': 9, 'distance': 200000, 'packagecost': 454336})
({'tourid': 889, 'source': 'hyd', 'destination': 'russia', 'days': 8, 'distance': 550000, 'packagecost': 123000})
({'tourid': 909, 'source': 'ong', 'destination': 'manipur', 'days': 9, 'distance': 23400, 'packagecost': 459800})
({'tourid': 884, 'source': 'vij', 'destination': 'kolkatta', 'days': 5, 'distance': 453, 'packagecost': 56423})
({'tourid': 534, 'source': 'ong', 'destination': 'asia', 'days': 56, 'distance': 7655, 'packagecost': 5687215})
({'tourid': 43, 'source': 'russia', 'destination': 'germany', 'days': 5, 'distance': 56998, 'packagecost': 57678})
({'tourid': 546, 'source': 'chennai', 'destination': 'paris', 'days': 43, 'distance': 547235487, 'packagecost': 54763})
({'tourid': 5634, 'source': 'ong', 'destination': 'france', 'days': 55, 'distance': 74549, 'packagecost': 56579})
enter tour id:171
vij ongole 3 300 2678
enter starting point:vij
2
no.of days:3
0
enter the distance you require above :300
17
20000 60000
range: 7
lowest cost: 121
>>>
```

CONCLUSION:

This Python script defines a function to add tour details into a list and then prompts the user to input the details for a certain number of packages. It then displays the details entered, allows the user to search for a specific tour ID, counts the number of packages starting from a certain point, counts the number of packages with days less than a given input, counts the number of packages with distance above a given input, finds the number of packages within a given cost range, and finally identifies the tour with the lowest cost.