

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

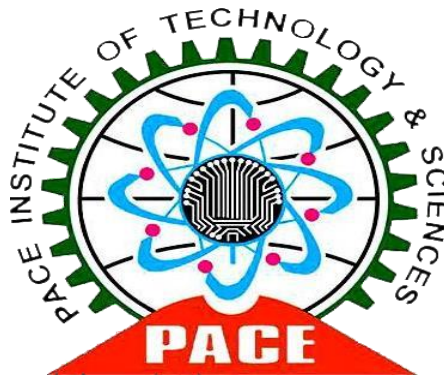
Submitted by

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PACE INSTITUTE OF TECNOLOGY AND SCIENCES
(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:



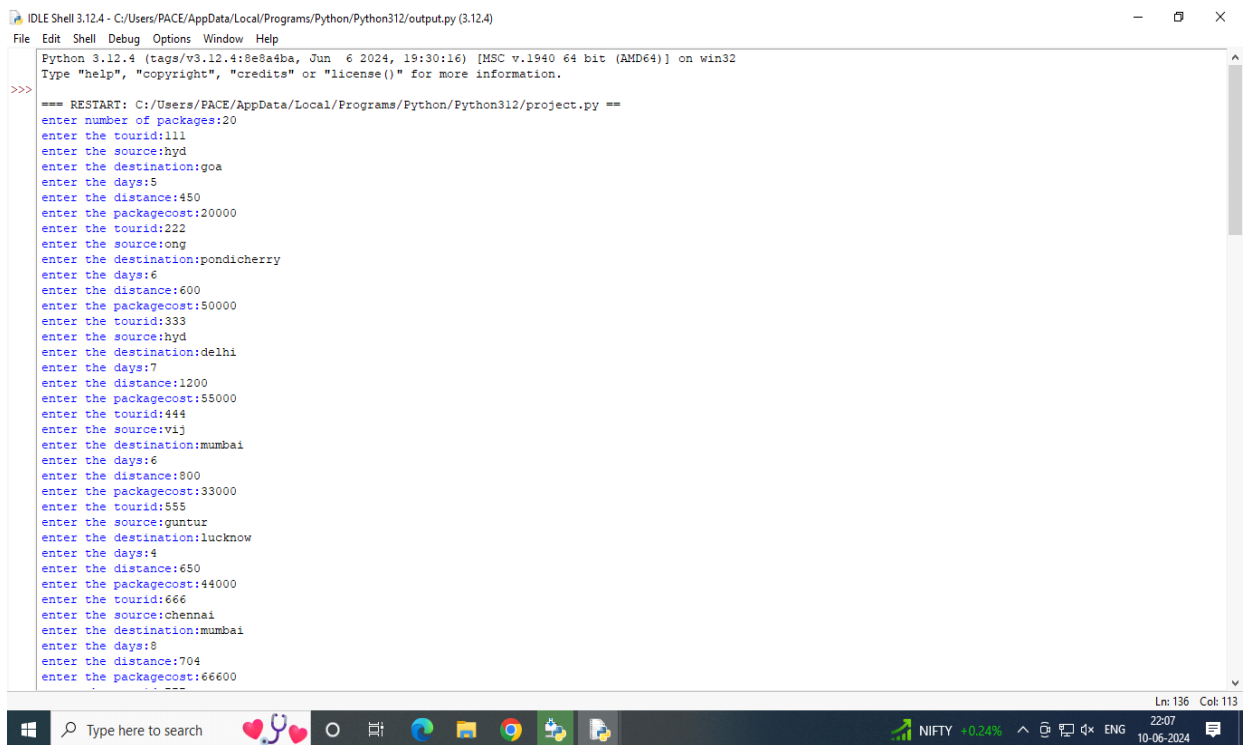
```
s=[]
def add_details(tourid,source,destination,days,distance,packagecost):
    details={
        'tourid':tourid,
        'source':source,
        'destination':destination,
        'days':days,
        'distance':distance,
        'packagecost':packagecost,
    }
    s.append(details)
n=int(input('enter 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:



```

IDLE Shell 3.12.4 - C:/Users/PAACE/AppData/Local/Programs/Python/Python312/output.py (3.12.4)
File Edit Shell Debug Options Window Help
Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun 6 2024, 19:30:16) [MSC v.1940 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:/Users/PAACE/AppData/Local/Programs/Python/Python312/project.py ===
enter number of packages:20
enter the tourid:111
enter the source:hyd
enter the destination:goa
enter the days:5
enter the distance:450
enter the packagecost:20000
enter the tourid:222
enter the source:ong
enter the destination:pondicherry
enter the days:6
enter the distance:600
enter the packagecost:50000
enter the tourid:333
enter the source:hyd
enter the destination:delhi
enter the days:7
enter the distance:1200
enter the packagecost:55000
enter the tourid:444
enter the source:vij
enter the destination:mumbai
enter the days:6
enter the distance:800
enter the packagecost:33000
enter the tourid:555
enter the source:guntur
enter the destination:lucknow
enter the days:4
enter the distance:650
enter the packagecost:44000
enter the tourid:666
enter the source:chennai
enter the destination:mumbai
enter the days:8
enter the distance:704
enter the packagecost:66600

```

Ln: 136 Col: 113

Windows taskbar: Type here to search, NIFTY +0.24%, 22:07, 10-06-2024

```

IDLE Shell 3.12.4 - C:/Users/PACE/AppData/Local/Programs/Python/Python312/output.py (3.12.4)
File Edit Shell Debug Options Window Help
enter the packagecost:66600
enter the tourid:777
enter the source:gujarat
enter the destination:kerala
enter the days:11
enter the distance:1122
enter the packagecost:85000
enter the tourid:888
enter the source:goa
enter the destination:kolkatta
enter the days:7
enter the distance:1210
enter the packagecost:67770
enter the tourid:999
enter the source:agra
enter the destination:hyd
enter the days:13
enter the distance:3900
enter the packagecost:83770
enter the tourid:1000
enter the source:delhi
enter the destination:banglore
enter the days:9
enter the distance:2200
enter the packagecost:56786
enter the tourid:1111
enter the source:banglore
enter the destination:ong
enter the days:12
enter the distance:600
enter the packagecost:40000
enter the tourid:2222
enter the source:viij
enter the destination:araku
enter the days:3
enter the distance:4
enter the packagecost:32000
enter the tourid:3333
enter the source:hyd
enter the destination:jammu
enter the days:3020

```

Ln: 136 Col: 113

Windows taskbar: Type here to search, NIFTY +0.24%, 22:07 10-06-2024

```

IDLE Shell 3.12.4 - C:/Users/PACE/AppData/Local/Programs/Python/Python312/output.py (3.12.4)
File Edit Shell Debug Options Window Help
enter the days:3020
enter the distance:3586
enter the packagecost:98643
enter the tourid:4444
enter the source:vizag
enter the destination:hyd
enter the days:5
enter the distance:600
enter the packagecost:20000
enter the tourid:5555
enter the source:delhi
enter the destination:kolakatta
enter the days:8
enter the distance:830
enter the packagecost:78644
enter the tourid:6666
enter the source:kerala
enter the destination:vizag
enter the days:6
enter the distance:896
enter the packagecost:65754
enter the tourid:7777
enter the source:manipur
enter the destination:delhi
enter the days:7
enter the distance:768
enter the packagecost:65477
enter the tourid:8888
enter the source:uttarpradesh
enter the destination:hyd
enter the days:9
enter the distance:756
enter the packagecost:85758
enter the tourid:9999
enter the source:rajasthan
enter the destination:warangal
enter the days:13
enter the distance:6799
enter the packagecost:89687
enter the tourid:2000
enter the source:sikkim

```

Ln: 136 Col: 113

Windows taskbar: Type here to search, NIFTY +0.24%, 22:07 10-06-2024

```
IDLE Shell 3.12.4 - C:/Users/PACE/AppData/Local/Programs/Python/Python312/output.py (3.12.4)
File Edit Shell Debug Options Window Help

enter the packagecost:89687
enter the tourid:2000
enter the source:sikkim
enter the destination:ong
enter the days:8
enter the distance:3980
enter the packagecost:75765
Tourid source destination Days Distance Package cost
({'tourid': 111, 'source': 'hyd', 'destination': 'goa', 'days': 5, 'distance': 450, 'packagecost': 20000}
({'tourid': 222, 'source': 'ong', 'destination': 'pondicherry', 'days': 6, 'distance': 600, 'packagecost': 50000}
({'tourid': 333, 'source': 'hyd', 'destination': 'delhi', 'days': 7, 'distance': 1200, 'packagecost': 55000}
({'tourid': 444, 'source': 'vij', 'destination': 'mumbai', 'days': 6, 'distance': 800, 'packagecost': 33000}
({'tourid': 555, 'source': 'guntur', 'destination': 'lucknow', 'days': 4, 'distance': 650, 'packagecost': 44000}
({'tourid': 666, 'source': 'chennai', 'destination': 'mumbai', 'days': 8, 'distance': 704, 'packagecost': 66600}
({'tourid': 777, 'source': 'gujarat', 'destination': 'kerala', 'days': 11, 'distance': 1122, 'packagecost': 85000}
({'tourid': 888, 'source': 'goa', 'destination': 'kolkatta', 'days': 7, 'distance': 1210, 'packagecost': 67770}
({'tourid': 999, 'source': 'agra', 'destination': 'hyd', 'days': 13, 'distance': 3900, 'packagecost': 83770}
({'tourid': 1000, 'source': 'delhi', 'destination': 'banglore', 'days': 9, 'distance': 2200, 'packagecost': 56786}
({'tourid': 1111, 'source': 'banglore', 'destination': 'ong', 'days': 12, 'distance': 600, 'packagecost': 40000}
({'tourid': 2222, 'source': 'vij', 'destination': 'araku', 'days': 3, 'distance': 4, 'packagecost': 32000}
({'tourid': 3333, 'source': 'hyd', 'destination': 'jammu', 'days': 3020, 'distance': 3586, 'packagecost': 98643}
({'tourid': 4444, 'source': 'vizag', 'destination': 'hyd', 'days': 5, 'distance': 600, 'packagecost': 20000}
({'tourid': 5555, 'source': 'delhi', 'destination': 'kolakatta', 'days': 8, 'distance': 830, 'packagecost': 78644}
({'tourid': 6666, 'source': 'kerala', 'destination': 'vizag', 'days': 6, 'distance': 896, 'packagecost': 65754}
({'tourid': 7777, 'source': 'manipur', 'destination': 'delhi', 'days': 7, 'distance': 768, 'packagecost': 65477}
({'tourid': 8888, 'source': 'uttarpradesh', 'destination': 'hyd', 'days': 9, 'distance': 756, 'packagecost': 85758}
({'tourid': 9999, 'source': 'rajasthan', 'destination': 'warangal', 'days': 13, 'distance': 6799, 'packagecost': 89687}
({'tourid': 2000, 'source': 'sikkim', 'destination': 'ong', 'days': 8, 'distance': 3980, 'packagecost': 75765}
enter tour id:4444
vizag hyd 5 600 20000
enter starting point:hyd
3
no.of days:8
10
enter the distance you require above :1000
8
30000 85000
range: 15
lowest cost: 111
lowest cost: 4444
>>>
```

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.