

NAME –
UID –
BRANCH- BTECH CSE
SEM – 4TH
SUBJECT – PYTHON LAB

1. Write a Python program to combine two dictionary adding values for common keys. `d1 = {'a': 100, 'b': 200, 'c':300},d2 = {'a': 300, 'b': 200, 'd':400}`


SOL

- CODE IN TEXT FORM

```
d1 = {'a': 100, 'b': 200, 'c': 300}
d2 = {'a': 300, 'b': 200, 'd': 400}
```

```
for i in d2 :
    if i in d1 :
        d1[i] = d1[i] +d2[i ]
    else :
        d1[i] = d2[i ]
print(d1)
```

- CODE IN COMPILER



```
main.py
1 d1 = {'a': 100, 'b': 200, 'c': 300}
2 d2 = {'a': 300, 'b': 200, 'd': 400}
3
4 for i in d2 :
5     if i in d1 :
6         d1[ i ] = d1[ i ] +d2[ i ]
7     else :
8         d1[ i ] = d2[ i ]
9 print(d1)
```

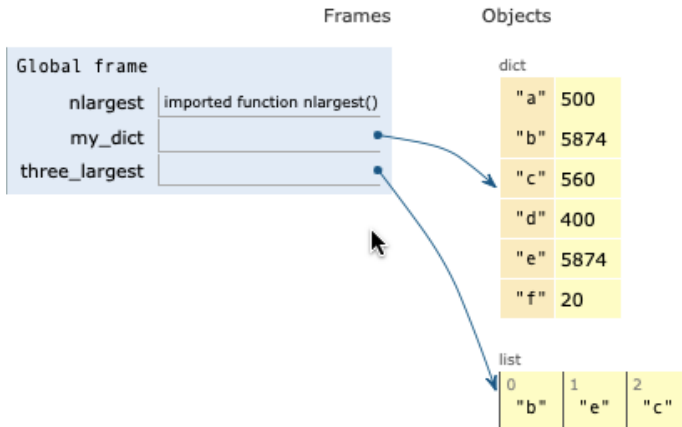
OUTPUT



```
input
{'a': 400, 'b': 400, 'c': 300, 'd': 400}
...Program finished with exit code 0
Press ENTER to exit console.
```

2. Write a Python program to find the highest 3 values of corresponding keys in a dictionary.

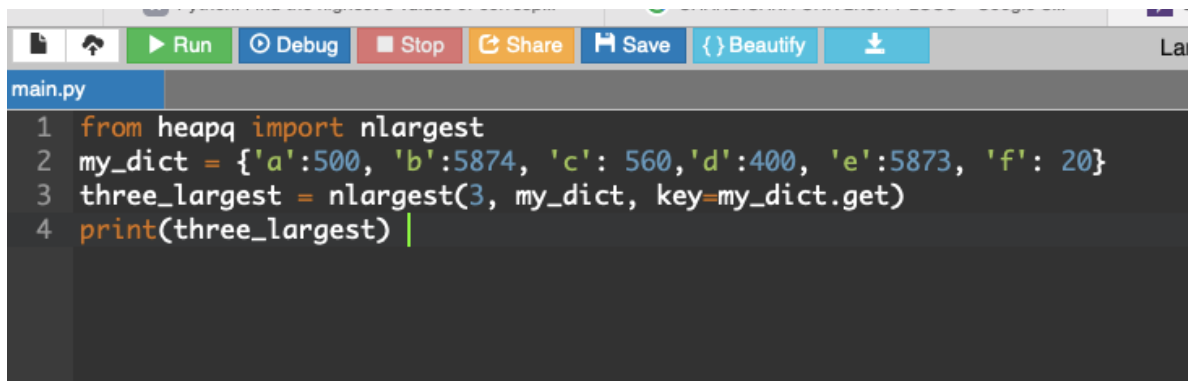
ALGO -



- CODE IN TEXT FORM -

```
from heapq import nlargest
my_dict = {'a':500, 'b':5874, 'c': 560, 'd':400, 'e':5873, 'f': 20}
three_largest = nlargest(3, my_dict, key=my_dict.get)
print(three_largest)
```

- CODE IN COMPILER-



OUTPUT

