tes59.py | tes60.py | tes61.py | tes36.py | tes39.py | tes40.py | tes43.py

D: > sam > python > tes43.py > ...

```
1  #ass-6 second question
2  dict={0:10,1:20}
3  dict[2]=30
4  print(dict)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes43.py
{0: 10, 1: 20, 2: 30}
```

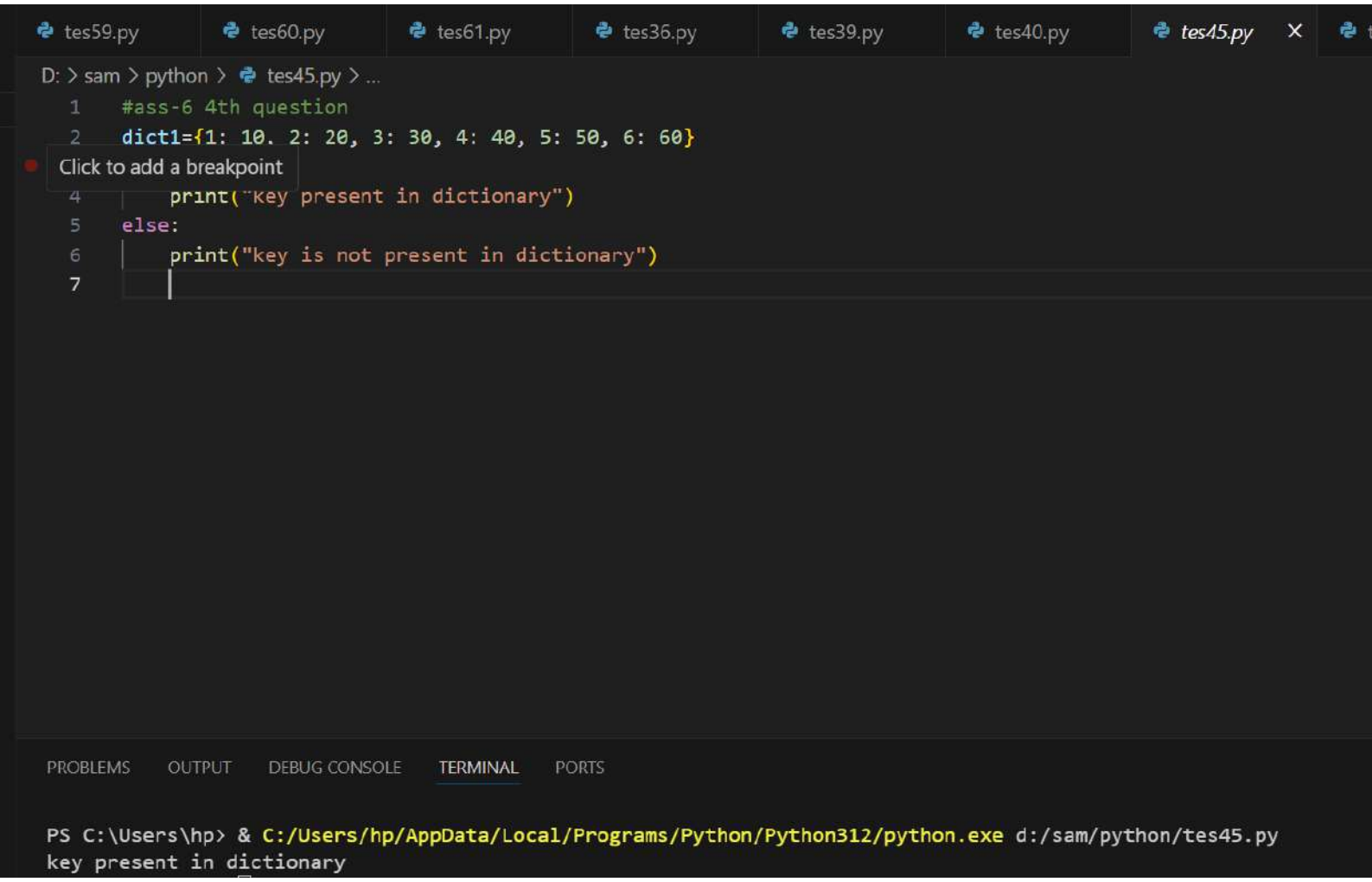
tes59.py | tes60.py | tes61.py | tes36.py | tes39.py | tes40.py | *tes44.py* | tes3

D: > sam > python > tes44.py > ...

```python
#ass-6 third question
dict1={1:10,2:20}
dict2={3:30,4:40}
dict3={5:50,6:60}
result_dict={k:v for d in (dict1,dict2,dict3) for k,v in d.items()}
print(result_dict)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes44.py
{1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
```


tes59.py
tes60.py
tes61.py
tes36.py
tes39.py
tes40.py
tes45.py
D: > sam > python > tes45.py > ...
#ass-6 4th question
dict1={1: 10. 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
Click to add a breakpoint
print("key present in dictionary")
else:
print("key is not present in dictionary")
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes45.py
key present in dictionary

tes59.py | tes60.py | tes61.py | tes36.py | tes39.py | tes40.py | *tes46.py* ×

D: > sam > python > tes46.py > ...

```python
#ass-6 5th question
dict2={1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
for k,v in dict2.items():
    print(k,v)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
1 10
2 20
3 30
4 40
5 50
6 60
```

tes47.py | tes48.py | tes50.py | tes51.py | tes55.py | tes56.py | tes57.py

D: > sam > python > tes47.py > ...

```python
#ass-6 6th question
dict={x:x**2 for x in [1,2,3,4,5]}
print(dict)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes47.py
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25}
```

tes47.py | tes48.py | tes50.py | tes51.py | tes55.py | tes56.py | tes57.py | tes58.py

D: > sam > python > tes48.py > ...

```python
#ass-6 7th question
dict1={1:'seetha',2:'ram'}
dict2={3:'ashok',4:'priya'}
result={k:v for d in (dict1,dict2) for k,v in d.items()}
print(result)

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes48.py
{1: 'seetha', 2: 'ram', 3: 'ashok', 4: 'priya'}
```

tes47.py | tes48.py | *tes49.py* | tes50.py | tes51.py | tes55.py | tes56.py

D: > sam > python > tes49.py > ...

```python
#ass-6 8th question
name_dict={'a':10, 'b':30, 'c': 50,'d': 15}
total_sum=sum(name_dict.values())
print("sum of all the values in dictionary is:",total_sum)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes49.py
sum of all the values in dictionary is: 105
```

tes47.py | tes48.py | *tes49.py* | tes50.py | tes51.py | tes55.py | tes56.py

D: > sam > python > tes50.py > ...

```python
#ass-6 9th question
num_dict={'a':15, 'b':20, 'c': 18,'d': 23}
result=1
for i in num_dict:
    result=result*num_dict[i]
print(result)

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes50.py
124200
```

tes47.py | tes48.py | *tes49.py* | tes50.py | tes51.py | tes55.py | tes56.py

D: > sam > python > tes51.py > ...

```python
#ass-6 10th question
dict2={'dog':1,'cat':4,'cow':10,'horse':20}
remove_item=dict2.pop('horse')
print(dict2)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes51.py
{'dog': 1, 'cat': 4, 'cow': 10}
```

tes47.py | tes48.py | tes50.py | tes51.py | *tes52.py* | tes55.py | tes56.py | tes57.py

D: > sam > python > tes52.py > ...

```python
#ass-6 11th question
dict2={'apple':1,'strawberry':4,'mango':10,'kiwi':20}
list_key=list(dict2.keys())
list_key.sort()
sorted_dict={i:dict2[i] for i in list_key}
print(sorted_dict)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes52.py
{'apple': 1, 'kiwi': 20, 'mango': 10, 'strawberry': 4}
```

tes47.py | tes48.py | tes50.py | tes51.py | *tes53.py* | tes55.py | tes56.py

D: > sam > python > tes53.py > ...

```python
#ass-6 12th question
num_dict3={'a':10, 'b':30, 'c': 50,'d': 15}
value=min(num_dict3.values())
value1=max(num_dict3.values())
print("mimimum value in dictionary is:",value)
print("maximum value in dictionary is:",value1)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
mimimum value in dictionary is: 10
maximum value in dictionary is: 50
```

tes47.py | tes48.py | tes50.py | tes51.py | *tes54.py* | tes55.py | tes56.py

D: > sam > python > tes54.py > ...

```python
#ass-6 13th question
dict={'a':10,'b':20,'c':30,'d':40,'e':50,'f':50}
print("the original dictionary is:"+str(dict))
temp={val:key for key,val in dict.items()}
result={val:key for key,val in temp.items()}
print("dictionary after removing duplicates is:"+str(result))

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes54.py
the original dictionary is:{'a': 10, 'b': 20, 'c': 30, 'd': 40, 'e': 50, 'f': 50}
dictionary after removing duplicates is:{'a': 10, 'b': 20, 'c': 30, 'd': 40, 'f': 50}
```

tes47.py | tes48.py | tes50.py | tes51.py | *tes54.py* | tes55.py | tes56.py

D: > sam > python > tes55.py > ...

```python
#ass-6 14the question
dict={'a':10}
if len(dict)==0:
    print("the dictionary is empty")
else:
    print("the dictionary is not empty")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes55.py
the dictionary is not empty
```

tes47.py | tes48.py | tes50.py | tes51.py | *tes54.py* | tes55.py | tes56.py | tes

D: > sam > python > tes56.py > ...

```python
#ass-6 15th question
dict1={'a':100,'b':200,'c':300}
dict2={'a':300,'b':200,'d':400}
for key in dict1:
    if key in dict2:
        dict1[key]=dict1[key]+dict2[key]
    else:
        pass
print(dict1)

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes56.py
{'a': 400, 'b': 400, 'c': 300}
```

tes47.py | tes48.py | tes50.py | tes51.py | *tes54.py* | tes55.py | tes5

D: > sam > python > tes57.py > ...

```python
#ass-6 16th question
num_dict3={'a':10, 'b':30, 'c': 50,'d': 15,'e':60,'f':96}
print("original dictionary is:")
print(num_dict3,"\n")
print("dictionary with highest 3 values are:")
x=list(num_dict3.values())
d=dict()
x.sort(reverse=True)
x=x[:3]
print(x)

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
dictionary with highest 3 values are:
[96, 60, 50]
```

tes48.py | tes50.py | tes51.py | *tes54.py* | tes55.py | tes56.py | tes57.py

D: > sam > python > tes58.py > ...

```python
#ass-6 17th question
dict4={'key1':1,'key2':3,'key3':2}
dict5={'key1':1,'key2':2}
for key in set(dict4) & set(dict5):
    if dict4[key] == dict5[key]:
        print(f"{key}: {dict4[key]} is present in both x and y")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes58.py
key1: 1 is present in both x and y
```

tes50.py | tes51.py | *tes54.py* | tes55.py | tes56.py | tes57.py | tes58.

D: > sam > python > tes59.py > ...

```python
#ass-6 18th question
my_list = [{}, {}, {}]
my_list1 = [{1: 2}, {}, {}]
print(all(not d for d in my_list))
print(all(not d for d in my_list1))

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
True
False
```

tes51.py | tes54.py | tes55.py | tes56.py | tes57.py | tes58.py | tes59.py

D: > sam > python > tes60.py > test_list

```python
#ass-6 19th question
test_list =  [[10, 20], [40], [30, 56, 25], [10, 20], [33], [40]]
print("The original list : " + str(test_list))
res1 = []
for i in test_list:
    x=sorted(i)
    res1.append(x)
res=[]
for i in res1:
    if tuple(i) not in res:
        res.append(tuple(i))
print("The list after duplicate removal : " + str(res))

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
The original list : [[10, 20], [40], [30, 56, 25], [10, 20], [33], [40]]
The list after duplicate removal : [(10, 20), (40,), (25, 30, 56), (33,)]
```

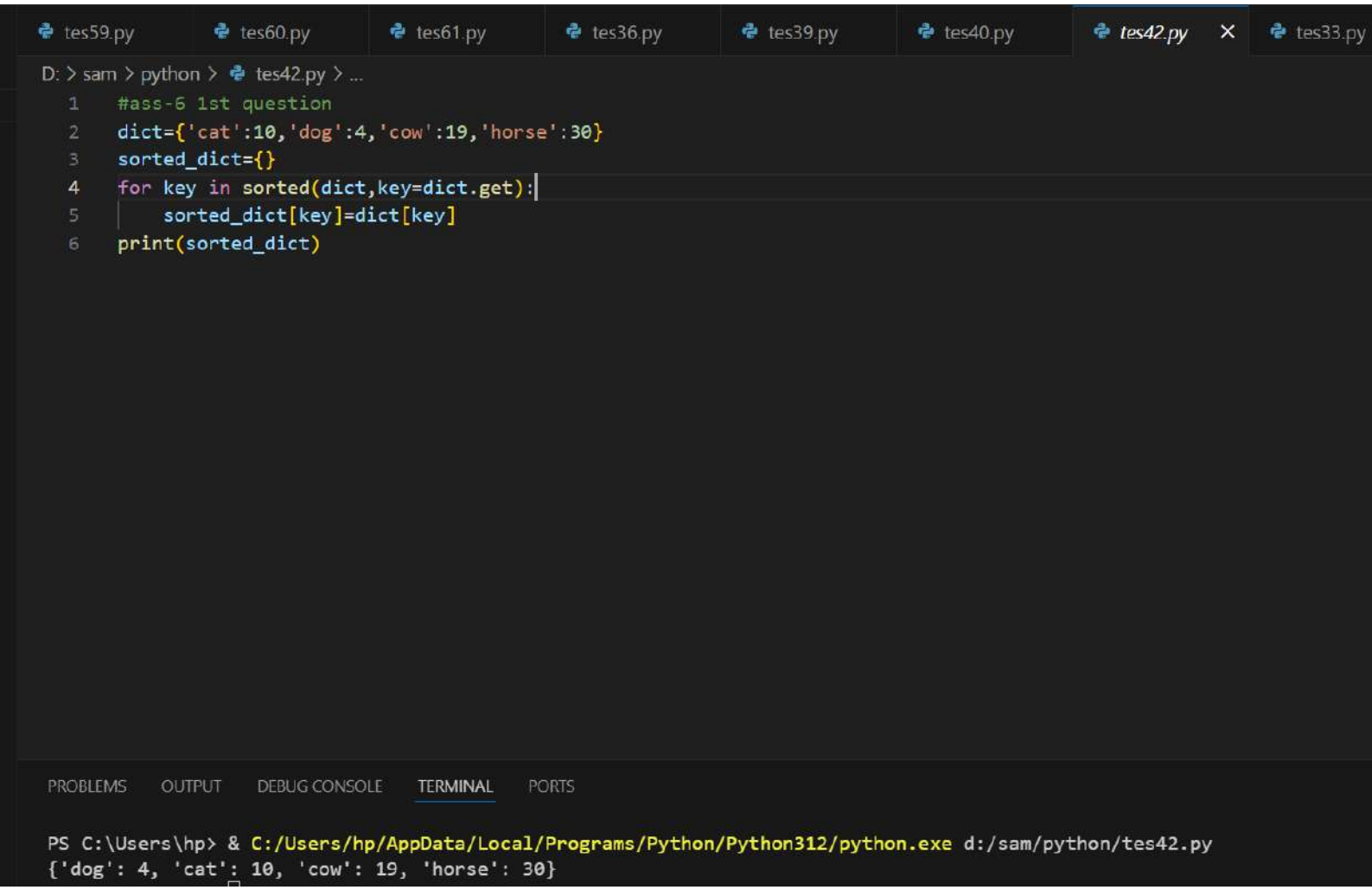
tes54.py tes55.py tes56.py tes57.py tes58.py tes59.py tes60.py

D: > sam > python > tes61.py > ...

```python
#ass-6 20th question
x = [10, 20, 30]
y = [40, 50, 60]
x[:0] =y
print(x)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes61.py
[40, 50, 60, 10, 20, 30]
```


tes59.py
tes60.py
tes61.py
tes36.py
tes39.py
tes40.py
tes42.py
tes33.py
D: > sam > python > tes42.py > ...
#ass-6 1st question
dict={'cat':10,'dog':4,'cow':19,'horse':30}
sorted_dict={}
for key in sorted(dict,key=dict.get):
sorted_dict[key]=dict[key]
print(sorted_dict)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes42.py
{'dog': 4, 'cat': 10, 'cow': 19, 'horse': 30}