



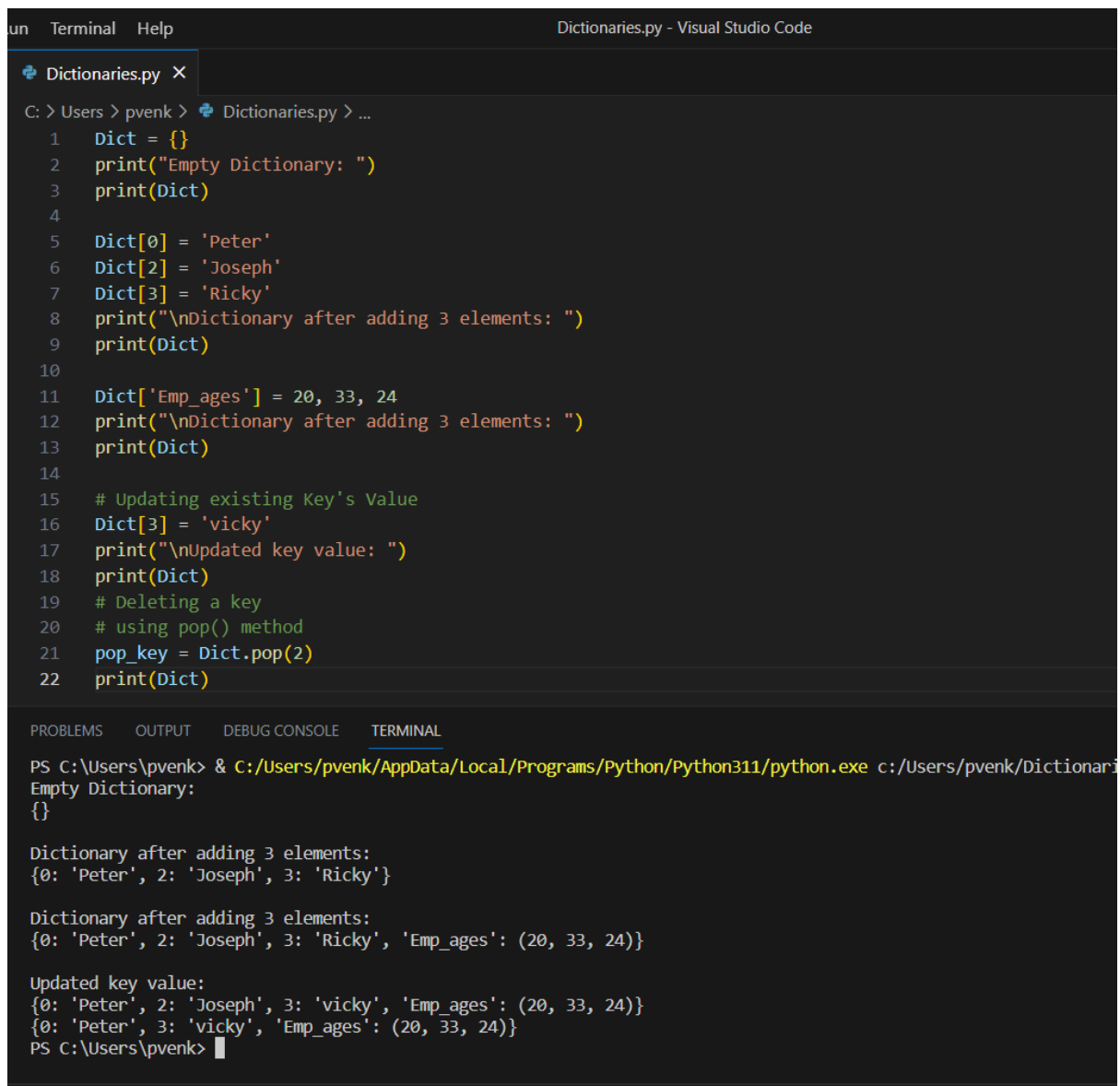
1. Write a program on Dictionaries Implementation in python.

Code:

```
Dict = {}  
print("Empty Dictionary: ")  
print(Dict)  
  
Dict[0] = 'Peter'  
Dict[2] = 'Joseph'  
Dict[3] = 'Ricky'  
print("\nDictionary after adding 3 elements: ")  
print(Dict)  
  
Dict['Emp_ages'] = 20, 33, 24  
print("\nDictionary after adding 3 elements: ")  
print(Dict)  
  
# Updating existing Key's Value  
Dict[3] = 'vicky'  
print("\nUpdated key value: ")  
print(Dict)  
  
# Deleting a key  
# using pop() method  
pop_key = Dict.pop(2)  
print(Dict)
```

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Output:



The image shows a Visual Studio Code editor window with a file named 'Dictionaries.py'. The code in the editor defines a dictionary, adds three elements, updates an existing value, and deletes a key. The terminal window below shows the execution of the script, displaying the output of each print statement.

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Dict['Emp_ages'] = 20, 33, 24
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Dict[3] = 'vicky'
print("\nUpdated key value: ")
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# Deleting a key
# using pop() method
pop_key = Dict.pop(2)
print(Dict)
```

PS C:\Users\pvenk> & C:/Users/pvenk/AppData/Local/Programs/Python/Python311/python.exe c:/Users/pvenk/Dictionaries.py

Empty Dictionary:
{}

Dictionary after adding 3 elements:
{0: 'Peter', 2: 'Joseph', 3: 'Ricky'}

Dictionary after adding 3 elements:
{0: 'Peter', 2: 'Joseph', 3: 'Ricky', 'Emp_ages': (20, 33, 24)}

Updated key value:
{0: 'Peter', 3: 'vicky', 'Emp_ages': (20, 33, 24)}

PS C:\Users\pvenk>