DICT Q1)

```
details={"eison":22,
        "aswin":23,
        "jojo":20,
        "snehal":22,
        "abhi":23,}
print("age=",details["eison"])
```

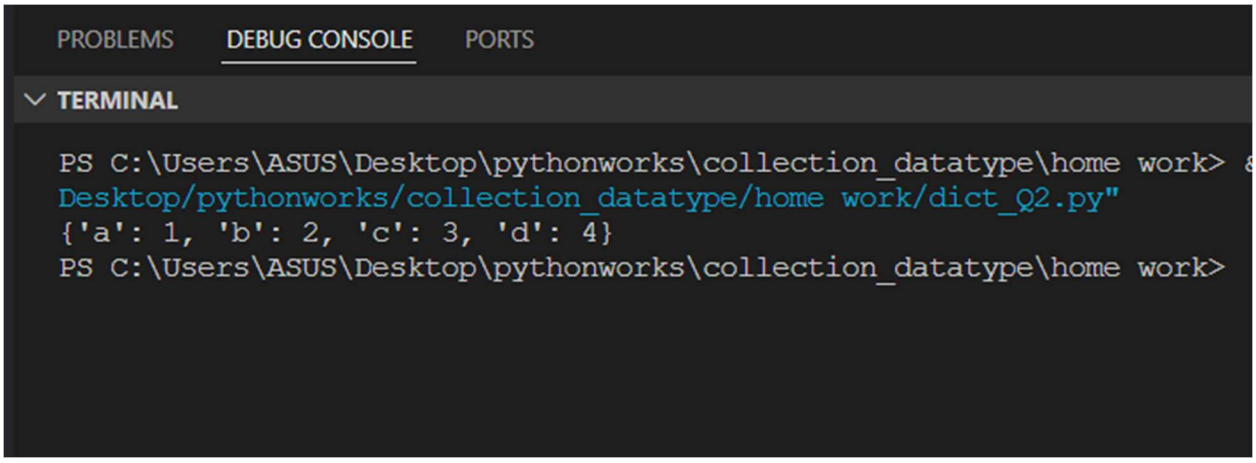
OUTPUT>

```
PS C:\Users\ASUS\Desktop\pythonworks\collection_datatype\home work> &
/pythonworks/collection_datatype/home work/dict_Q1.py"
age= 22
PS C:\Users\ASUS\Desktop\pythonworks\collection_datatype\home work>
```

DICT Q2)

```
dict1 = {"a": 1,"b": 2}

dict2 = {"c": 3,"d": 4}


merged_dict = dict1.copy()


merged_dict.update(dict2)


print(merged_dict)
```

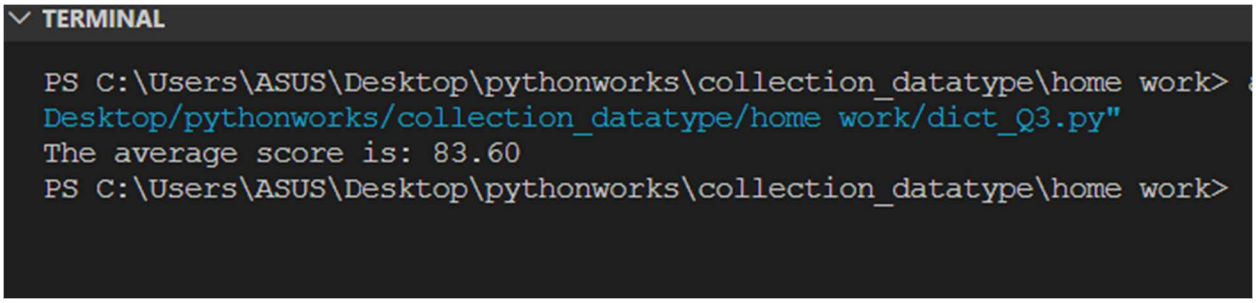
OUTPUT>



DICT Q3)

```
score_dict={"appu":75,
        "ammu":60,
        "akhil":88,
        "gokul":95,
        "praveen":100 }


total=0
num=len(score_dict)
for score_dict in score_dict.values():
   total+=score_dict
average_score = total / num if num> 0 else 0
print(f"The average score is: {average_score:.2f}")
```

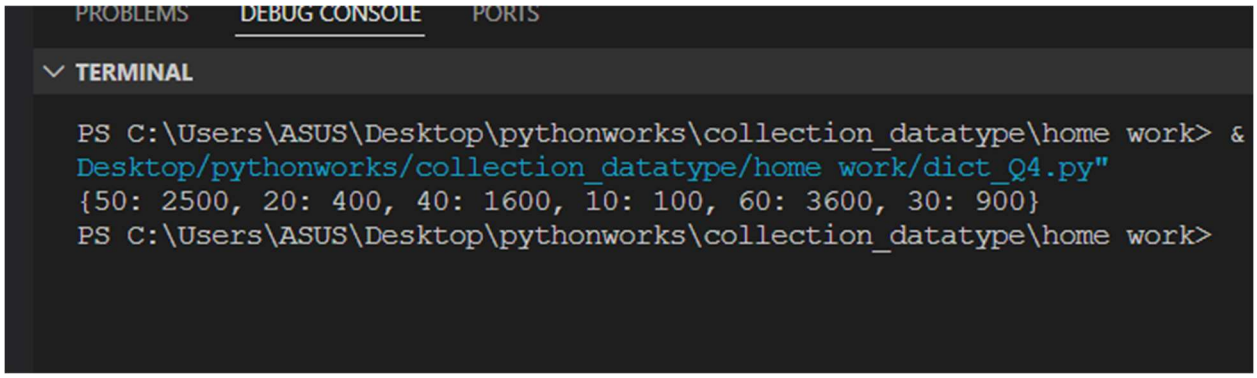
OUTPUT>



DICT Q4)

```
dict1={10,20,30,40,50,60}
even_sqr={num:num**2 for num in dict1 }
print(even_sqr)
```

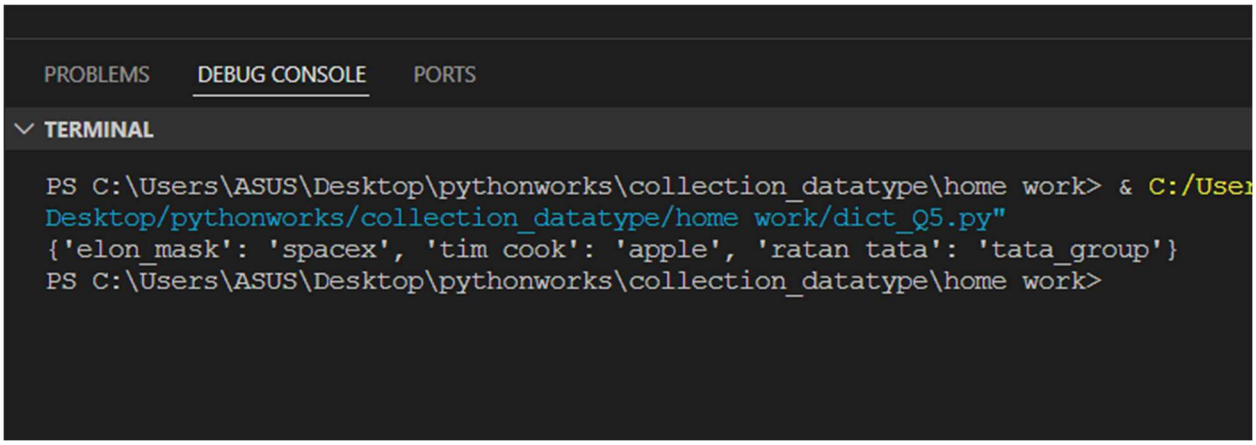
OUTPUT>



DICT Q5)

```
owners=["elon_mask","tim cook","ratan tata"]
owned_company=["spacex","apple","tata_group"]
owners_product={owners[i]:owned_company[i] for i in range(len(owners))}
print(owners_product)
```

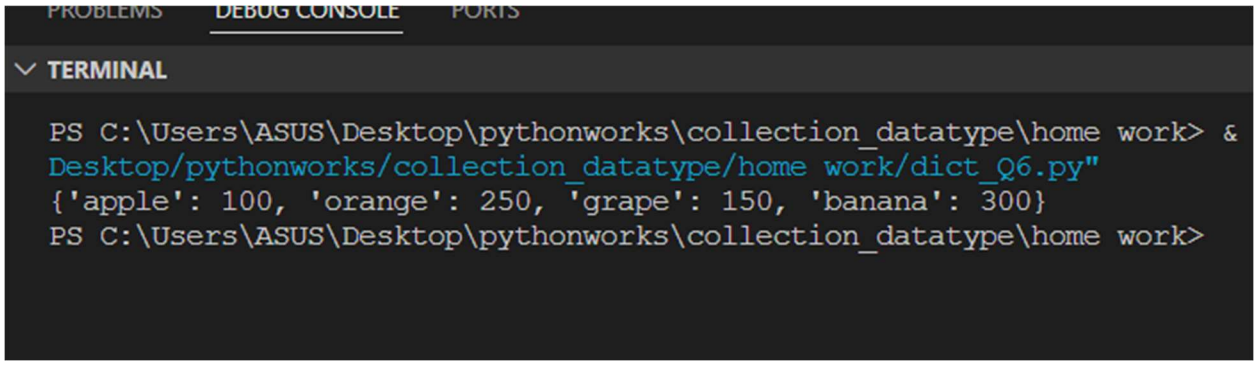
OUTPUT>



DICT Q6)

```
fruits=["apple","orange","grape","banana"]

prices=[100,250,150,300]

fruits_and_prices={fruits[i]:prices[i] for i in range(len(fruits))}

print(fruits_and_prices)
```

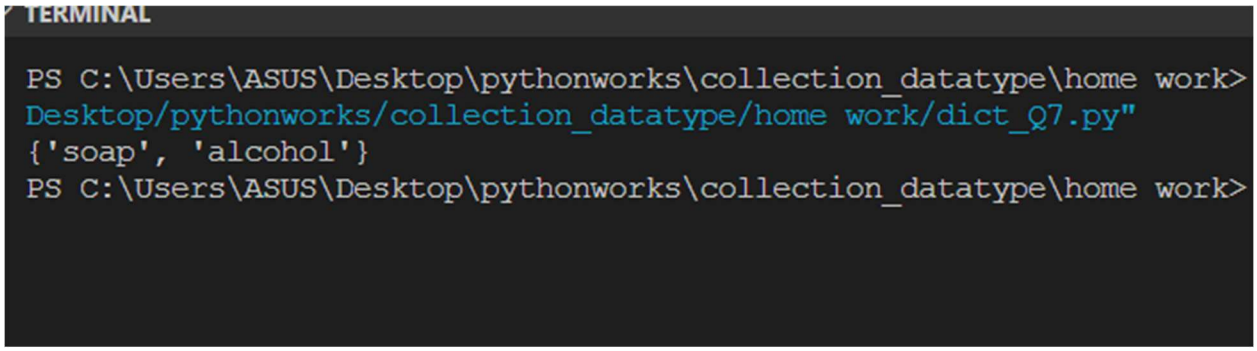
OUTPUT>



DICT Q7)

```
product={"mobile":30,"soap":60,"alcohol":150}


new_product={items for items,values in product.items() if values>50}
print(new_product)
```

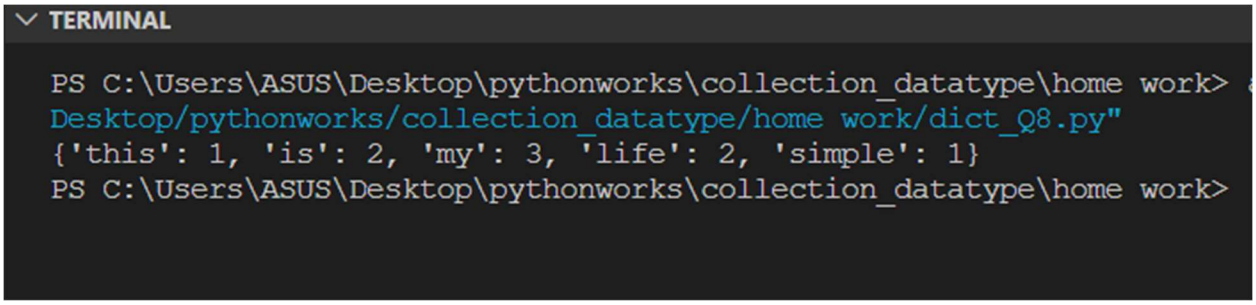
OUTPUT>



DICT Q8)

```
text="this is my my life my life is simple"
words=text.split(" ")
words_frq={w:words.count(w)for w in words}
print(words_frq)
```

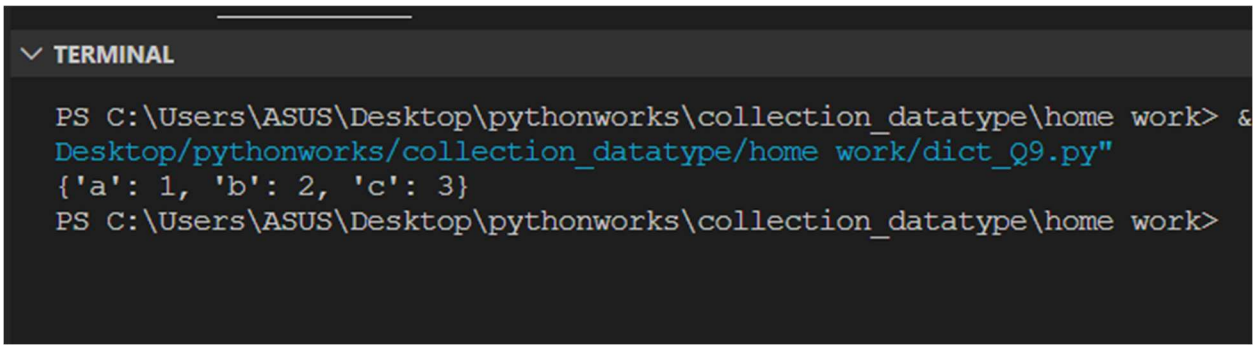
OUTPUT>



DICT Q9)

```
dict1={"a":1,"b":-2,"c":3}

new_dict={k:v*-1 if v<0 else v for k,v in dict1.items()}

print(new_dict)
```

OUTPUT>



DICT Q10)

```
product={"diarymilk":100,
        "munch":50,
        "chocobar":25,
        "snikers":40
        }


offer={items:price*0.9 for items,price in product.items()}
print("MRP=",product)
print("offer price=",offer)
```

OUTPUT>