Assignment: 5

1. Get the key of a minimum value from the following dictionary.

Given Input:
sample_dict = {
'Physics': 82,
'Math': 65,
'history': 75
}

Expected output: Math

```
#get the key of a minimum value from a given dictionary

dict1={"physics":82,"math":65,"history":75}
mini=min(dict1.values())
for i in dict1:
    if dict1[i]==mini:
        j=i
print(j)
```

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d = {"physics":82,"math":65,"history":75}
# find key with lowest value
best_key = min(d, key=d.get)

print(best_key)
```

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2. Write a Python program to check if value 200 exists in the following dictionary.

Given Input:
sample_dict = {'a': 100, 'b': 200, 'c': 300}

Expected output:
200 present in a dict

```
#check if 200 value is present in the dictionary

dict1={"a":100,"b":200,"c":300}
for i in dict1:
    if dict1[i]==200:
        x=True
        break
```

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    else:
        x=False
if x==True:
    print("200 is present in the dictionary.")
if x==False:
    print("200 is not present in the dictionary.")
```

```
200 is present in the dictionary.
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sample_dict = {'a': 100, 'b': 200, 'c': 300}
if 200 in sample_dict.values():
    print('200 present in a dict')
```

```
200 present in a dict
```

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3. Merge two Python dictionaries into one

Given Input:
dict1 = {'Ten': 10, 'Twenty': 20, 'Thirty': 30}
dict2 = {'Thirty': 30, 'Fourty': 40, 'Fifty': 50}

Expected output:
{'Ten': 10, 'Twenty': 20, 'Thirty': 30, 'Fourty': 40, 'Fifty': 50}

```
#merging 2 dictionaries into one

dict1={"ten":10,"twenty":20,"thirty":30}
dict2={"thirty":30,"forty":40,"fifty":50}
for i in dict2:
    dict1[i]=dict2[i]
print(dict1)
```

```
{'ten': 10, 'twenty': 20, 'thirty': 30, 'forty': 40, 'fifty': 50}
```