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Assignment_05: UmaPavan Kumar K.
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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

In [2]:
```
dict1 = {'Physics':82,'Maths':65,'History':75}
```

In [3]:
```
dict1
```

Out[3]:
```
{'Physics': 82, 'Maths': 65, 'History': 75}
```

In [14]:
```
min_marks = min(dict1.values())
```

In [16]:
```
print(min_marks)
```

```
65
```

In [18]:
```
{key for key,value in dict1.items() if value==min_marks}
```

Out[18]:
```
{'Maths'}
```

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

In [20]:
```
sample_dict = {'a':100,'b':200,'c':300}
```

In [21]:
```
sample_dict
```

Out[21]:
```
{'a': 100, 'b': 200, 'c': 300}
```

In [36]:
```
# Method 1:
{  200 in sample_dict.values(),print('200 Present in Dict')}
```

```
200 Present in Dict
```

Out[36]:
```
{None, True}
```

In [33]:
```
# Method2:
# Test case 1:
if 200 in sample_dict.values():
    print('200 Present in Dict')
else:
    print('Not Present in Dict')
```

```
200 Present in Dict
```

In [34]:
```
# Method2:
# Test Case 2:
if 500 in sample_dict.values():
    print('200 Present in Dict')
else:
    print('Not Present in Dict')
```

```
Not Present in Dict
```

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}

In [37]:
```
dict1 = {'Ten':10,'Twenty':20,'Thirty':30}
```

In [38]:
```
dict2 = {'Thirty':30,'Fourty':40,'Fifty':50}
```

In [41]:
```
dict1.update(dict2)
```

In [42]:
```
dict1
```

Out[42]:
```
{'Ten': 10, 'Twenty': 20, 'Thirty': 30, 'Fourty': 40, 'Fifty': 50}
```