Assignment – 5

Program – 1

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# 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

sample_dict = {
    'Physics': 82,
    'Math': 65,
    'history': 75
}
# using sorted function to sort the dictionary, the answer returns a li
st with tuples containing the key,value pair in ascending order accordi
ng to the key
new_dict = sorted(sample_dict.items(), key=lambda x:x[1])
# print(new_dict)
# [('Math', 65), ('history', 75), ('Physics', 82)]
print(new_dict[0][0])
```

Output

```
Math
```

Program – 2

```
#2. Write a Python program to check if value 200 exists in the followin
g dictionary.
#Given Input:
#sample_dict = {'a': 100, 'b': 200, 'c': 300}
#Expected output:
#200 present in a dict

# function searchNum takes the dictionary, value to be searched as para
meters.
def searchNum(d, num):
  for x in d.values():
    if x == n:
      print(x, "present in a dict")
      break

sample_dict = {'a': 100, 'b': 200, 'c': 300}
n = 200
searchNum(sample_dict, n)
```

Output

```
200 present in a dict
```

Program – 3

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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}

dict1 = {'Ten': 10, 'Twenty': 20, 'Thirty': 30}
dict2 = {'Thirty': 30, 'Fourty': 40, 'Fifty': 50}
dict1.update(dict2)
dict1 = dict(sorted(dict1.items(), key = lambda x:x[1]))
print(dict1)
```

Output

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