```
#LCM
print("Enter Two Numbers: ")
numOne = int(input())
numTwo = int(input())

if numOne>numTwo:
   lcm = numOne
else:
   lcm = numTwo

while True:
   if lcm%numOne==0 and lcm%numTwo==0:
      break
   else:
      lcm = lcm + 1

print("\nLCM =", lcm)


#GCD
def gcd(a, b):
   while b:
      a, b = b, a % b
   return a

num1 = int(input("value1"))
num2 = int(input("Value2"))
gcd = gcd(num1, num2)
print(f"GCD of {num1} and {num2} is {gcd}")

# concate two dictionary
dict1 = {'a': 10, 'b': 8}
dict2 = {'d': 6, 'c': 4}
dict3= Merge(dict2, dict1)
```

```
print(Merge(dict1, dict2))
print(dict3)
```

```
# sorting an dictionary asc or desc
import operator
d = {101: 22, 3: 44, 4: 33, 2: 11, 0: 100}
print('Original dictionary : ',d)
sd = sorted(d.items(), key=operator.itemgetter(1))
print('Ascending order : ',sd)
sd = dict()
print('Descending order : ',sd)
```

Write a Python program to check whether a given key already exists in a dictionary.

```
d={'A':1,'B':2,'C':3}
key=input("Enter key to check:")
if key in d.keys():
    print("Key is present and value of the key is:")
    print(d[key])
else:
    print("Key isn't present!")
```

Write a Python program to check all values are the same in a dictionary.

```
test_dict = {"Gfg": 5, "is": 5, "Best": 5}

print("The original dictionary is : " + str(test_dict))

res = True

test_val = list(test_dict.values())[0]

for ele in test_dict:
    if test_dict[ele] != test_val:
        res = False
        break

print("Are all values similar in dictionary? : " + str(res))
```