**COMSATS University Islamabad, Attock campus Department of Computer Science**

**Assignment # 01**

**Information Security**

Brekhna Gul

Sp24-bse-051

10-September-2025

Ma’am Ambreen

# #task1

list1=list(map(int,input("enter a number separated by space").split()))

list2=list(map(int,input("enter your number separated by space").split()))

merge=list1+list2

merge.sort()

print ("merged list:", merge)

# #task2

list1=list(map(int,input("enter a number seprated by space").split()))

list2=list(map(int,input("enter your number by space").split()))

merge=list1+list2

merge.sort()

smallest=min(merge)

# largest=max(merge)

print("your merged numbers: ", merge)

print("smallest number is ", smallest)

print("your largest number is ",largest)

#task3

birthdays = {

    "rafay": "03/14/1879",

    "zayan": "01/17/1706",

    "ali": "12/10/1815"

}

print("Welcome to the birthday dictionary. We know the birthdays of:")

for name in birthdays:

    print(name)

person = input("Who's birthday do you want to look up? ")

if person in birthdays:

    print(person + "'s birthday is " + birthdays[person] + ".")

else:

    print("Sorry, we don’t have that person’s birthday.")

#task4

dict1 = {

    "name": "Kelly",

    "age": 25,

    "salary": 8000,

    "city": "New york"

}

keys = ["name", "salary"]

new\_dict = {k: dict1[k] for k in keys}

print("Extracted Dictionary:", new\_dict)