# 1. Implement a program to create a dictionary from two lists, one containing keys and the other containing values.  
# li\_key=["a","b","c","d"]  
# li\_value=[1,2,3,4]  
# dict1=dict(zip(li\_key,li\_value))  
# print(dict1)  
  
  
# 2. Write a Python function that takes a list of dictionaries, where each dictionary represents a person with keys 'name' and 'age'. The function should return a dictionary where the keys are age ranges (e.g., '0-20', '21-40', '41-60', '>60') and the values are lists of names falling into each age range.  
# 3. Create a function that checks if all strings in a tuple are uppercase.  
# def check\_upper(tup):  
# for i in tup:  
# if not i.isupper():  
# return False  
# return True  
#  
# print(check\_upper(('u','C','v')))  
  
  
# 4. Write a Python function that accepts a tuple of strings as input and returns a dictionary where the keys are the unique lengths of the strings and the values are lists of strings of that length.  
# # 5. Create a function to print perefect number between 200-500  
# def perfect\_num():  
# for j in range(200,500):  
# sum=0  
# for i in range(1, j-1):  
# if j %i ==0:  
# sum=sum+i  
# if sum==j:  
# print(j)  
# perfect\_num()  
  
  
# 6.Develop a Python program that calculates the sum of all even numbers from 1 to 100. Use a while loop to iterate through the numbers and add only the even ones to the sum.  
# def sum\_even(num):  
# sum=0  
# i=0  
# while i<=num:  
# if i%2==0:  
# sum+=i  
# i+=1  
# return sum  
#  
# print(sum\_even(100))  
  
# 7.write a function to find symmetric difference between 2 sets  
# def symmetric\_diff(set1,set2):  
# return set1.symmetric\_difference(set2)  
# print(symmetric\_diff({1,2,3,4},{3,4,5,6}))  
  
# 8. Write a Python program that takes a list of integers and returns a set containing only the unique prime numbers from the list.  
# 9. write a function using lambda to filter all odd numbers in a list  
# def filter\_odd(li):  
# odd\_num=list(filter(lambda x:x%2!=0,li))  
# return odd\_num  
#  
# print(filter\_odd([1,2,3,4,5,6,7,8,9]))  
# 10.Implement a Python program that prompts the user to enter a number between 1 and 10. Keep prompting until the user enters a valid number within the specified range.  
# v=(1,10)  
# while True:  
# x=int(input("enter a number: "))  
# if x < 1:  
# print("Lesser")  
# elif x> 10:  
# print("Higher")  
# else:  
# print("Congratulation You have guessed right number")  
# break  
#