# Lab 06 Question No:1

l1 = []

for i in range(1,1001,2):

    l1.append(i)

print(l1)

sum = 0

for i in l1:

    sum = sum + i

print(sum)

# Lab 06 Question No:2

import random

l1 = []

for i in range(1,21):

    numbers = random.randint(1,21)

    l1.append(numbers)

print(l1)

print(max(l1))

print(min(l1))

# Lab 06 Question No:3

l1 =[]

for i in range(5):

    num = int(input("Enter number"))

    l1.append(num)

print(l1)

sum = 0

for i in l1:

    if i % 2==0:

        sum = sum + i

print("Sum of Even number is:",sum)

# Lab 06 Question No:4

tuple = ("pakistan","iran","afganistan","canada","german")

for i in tuple:

    if len(i) > 7:

        print(i)

# Lab 06 Question No:5

l1 =[]

for i in range(50):

    l1.append(i)

print(l1)

for a in l1:

    if a % 2==0:

        print(a\*\*2)

    elif a % 2!=0:

        print(a\*\*3)

    else:

        print("check the number")

# Lan 06 Question No:6

set1 = set(input("Enter items of set1").split())

set2 = set(input("Enter items of set2").split())

union\_set = set1.union(set2)

print("Union of both Set is:",union\_set)

# Lab 06 Question No:7

def list\_to\_string(list\_of\_characters):

    return ''.join(list\_of\_chracters)

list\_of\_chracters = 'p','a','k','i','s','t','a','n'

string = list\_to\_string(list\_of\_chracters)

print(string)

# Lab 06 Question No:8

import random

def random\_map(list1,list2):

    if not list1 or not list2:

        return None

    list1 = random.choice(list1)

    list2 = random.choice(list2)

    return {list1:list2}

list1 = [“apple”,”banana”,”orange]

list2 = [10,100,1000,10000]

result = random\_map(list1,list2)

print(result)

# Lab 06 Question No:9

def get\_student\_grade(student\_grades):

    student = input("Enter student name:")

    if student in student\_grades:

        grade = student\_grades[student]

        print("Grade for:",student,grade)

    else:

        print("Student is not Found")

student\_grades = {

    "arslan":"Grade A",

    "hira":"Grade B",

    "fiza":"Grade C",

    "rayan":"Grade D"

}

get\_student\_grade(student\_grades)