1.Say “ Hello, World!” With Python

if \_\_name\_\_ == '\_\_main\_\_':

    print("Hello, World!")

2.Python If-Else

import math

import os

import random

import re

import sys

if \_\_name\_\_ == '\_\_main\_\_':

    n = int(input().strip())

if (n%2!=0):

    print("Weird")

elif (n%2==0 and n<=5 and n>=2):

    print("Not Weird")

elif(n%2==0 and n<=20 and n>=6):

    print("Weird")

elif(n%2==0 and n>20):

    print("Not Weird")

3.Arithmetic Operators

if \_\_name\_\_ == '\_\_main\_\_':

    a = int(input())

    b = int(input())

    print(a+b)

    print(a-b)

    print(a\*b)

4. Division

if \_\_name\_\_ == '\_\_main\_\_':

    a = int(input())

    b = int(input())

    print(a//b)

    print(a/b)

5. Loops

if \_\_name\_\_ == '\_\_main\_\_':

    n = int(input())

    for i in range(n):

        print(i\*i)

        i+1

6. Print Function

if \_\_name\_\_ == '\_\_main\_\_':

    n = int(input())

    for i in range(1,n+1):

        print(i,end="")

        i+1

7. List Comprehensions

if \_\_name\_\_ == '\_\_main\_\_':

    x = int(input())

    y = int(input())

    z = int(input())

    n = int(input())

    result = [[i, j, k]

              for i in range(x + 1)

              for j in range(y + 1)

              for k in range(z + 1)

              if i + j + k != n]

    print(result)

8.Finding the percentage

f \_\_name\_\_ == '\_\_main\_\_':

    n = int(input())

    student\_marks = {}

    for \_ in range(n):

        name, \*line = input().split()

        scores = list(map(float, line))

        student\_marks[name] = scores

    query\_name = input()

    average = sum(student\_marks[query\_name]) / len(student\_marks[query\_name])

    print(f"{average:.2f}")

9.Tuples

if \_\_name\_\_ == '\_\_main\_\_':

    n = int(input())

    integer\_list = tuple(map(int, input().split()))

    print(hash(integer\_list))

10.Write a function

def is\_leap(year):

    leap = False

    if((year%4==0 and year%100 !=0)or (year%400==0)):

       return True

    else:

        return False

year = int(input())

print(is\_leap(year))