**# num = input("enter number :")**

**num = int(input("enter number :"))**

**if num%2 == 0:**

**if num%3 == 0:**

**print ("Divisible by 3 and 2")**

**else:**

**print ("divisible by 2 but not divisible by 3")**

**else:**

**if num%3 == 0:**

**print ("divisible by 3 but not divisible by 2")**

**else:**

**print ("not Divisible by 2 and not divisible by 3")**

**#import os**

**#os.system('CLS')**

**#import subprocess**

**#subprocess.call("cls", shell=True)**

**print("\*\*\*\*\*\*\*\*First Example of for Loop use\*\*\*\*\*\*\*\*\*")**

**for letter in 'Python':**

**print(letter)**

**print("\*\*\*\*\*\*\*\*Second Example of for Loop use\*\*\*\*\*\*\*\*")**

**fruits = ['banana', 'apple', 'mango']**

**for fruit in fruits:**

**print(fruit)**

**print("\*\*\*\*\*\*\*\*Third Example of for Loop use\*\*\*\*\*\*\*\*")**

**#Note that range(6) is not the values of 0 to 6, but the values 0 to 5.**

**for x in range(6):**

**print(x)**

**print("\*\*\*\*\*\*\*\*Fourth Example of for Loop use\*\*\*\*\*\*\*\*")**

**#range(2, 6), which means values from 2 to 6 (but not including 6)**

**for x in range(2, 6):**

**print(x)**

**print("\*\*\*\*\*\*\*\*Fourth Example-II of for Loop use\*\*\*\*\*\*\*\*")**

**for index in range(len(fruits)):**

**print(fruits[index])**

**#Increment the sequence with 3 (default is 1)**

**print("\*\*\*\*\*\*\*\*Fifth Example of for Loop use\*\*\*\*\*\*\*\*")**

**for x in range(2, 30, 3):**

**print(x)**

**#for Loop with else part**

**#Print all numbers from 0 to 5, and print a message when the loop has ended**

**print("\*\*\*\*\*\*\*\*Sixth Example of for Loop use\*\*\*\*\*\*\*\*")**

**for x in range(6):**

**print(x)**

**else:**

**print("Finally finished!")**

**# Different use of While Loop**

**print("1st Example of While LOOP")**

**i = 1**

**while i < 6:**

**print(i)**

**i += 1**

**print("2nd Example of While LOOP with BREAK Statement")**

**i = 1**

**while i < 6:**

**print(i)**

**if i == 3:**

**break**

**i += 1**

**print("3rd Example of While LOOP with CONTINUE statement")**

**i = 1**

**while i < 6:**

**if i == 3:**

**continue**

**print(i)**

**i += 1**

**print("4th Example of While LOOP")**

**i = 0**

**while i < 6:**

**i += 1**

**if i == 3:**

**continue**

**print(i)**