

Python Practical’s

# TASK 4

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View On [**github.com/smit-joshi814**](https://github.com/smit-joshi814/Learning-python/tree/main/collage/Task3)

# Practical 1

Write a python function for calculating cube of the number.

Define a second function called by\_three that takes an argument called

number. if that number is divisible by 3, by\_three should call cube(number)

and return its result. Otherwise, by\_three should return False.

number=int(input("Enter Number "))

if number>0:

    print(f"Number is Positive")

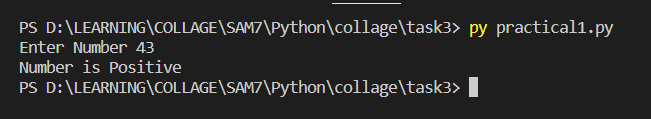
elif number<0:

    print(f"Number is Negative")

else:

    print("Number is Zero")

### Output:



# Practical 2

Write a python function to print all the prime numbers between the specific

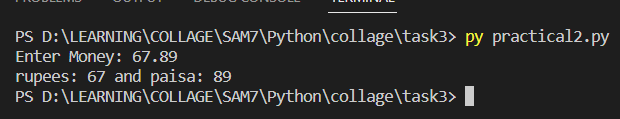
range given bt user.

number=input("Enter Money: ")

money=number.split('.')

print(f"rupees: {money[0]} and paisa: {money[1]}")

### Output:



# Practical 3

Write a menu driven program for creating calculator with arithmetic

operations. Create functions for +,-,\* and / and call those functions in switch

case.

seconds=int(input("Enter Seconds: "))

minutes=0

hour=0

for i in range(1,seconds):

    if i%60==0:

        minutes+=1

        if minutes>60:

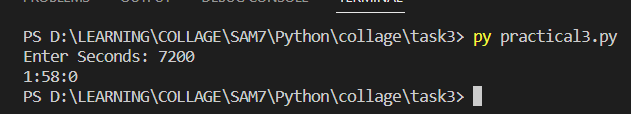
            hour+=1

            minutes=0

seconds%=60

print(f"{hour}:{minutes}:{seconds}")

### Output:



# Practical 4

Write a function to print following patterns:

1. 1 0 1 0 1 (II) 1 (III) \*

0 1 0 1 0 2 3 \* \*

1 0 1 0 1 4 5 6 \* \* \*

0 1 0 1 0 7 8 9 10 \* \* \* \*

1 0 1 0 1 \* \* \* \* \*

\* \* \* \* \*

\* \* \* \*

\* \* \*

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N=int(input("Enter N Limit "))

odd=0

even=0

for i in range(1,N+1):

    if i%2==0:

      odd+=1

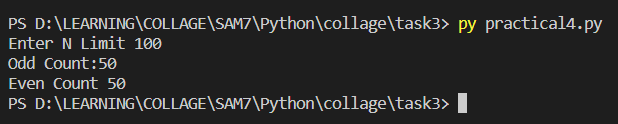
    else:

       even+=1

print(f"Odd Count:{odd}")

print(f"Even Count {even}")

### Output:



# Practical 5

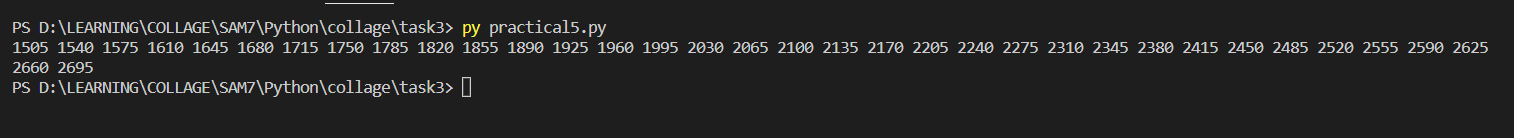
Write a python function to find the factorial of the number.

for i in range(1500,2700):

    if i%7==0 and i%5==0:

        print(i,end=" ")

### Output:



# Practical 6

Write a python function to find the GCD of two numbers

import random

while True:

    number=int(input("Enter Any Random Number: "))

    computer\_guss=random.randrange(1,10)

    if number==computer\_guss:

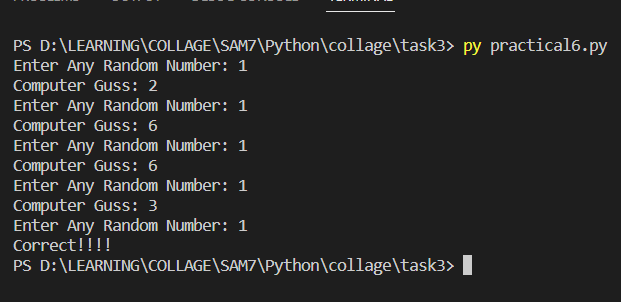
        print("Correct!!!!")

        break

    else:

        print("Computer Guss:",computer\_guss)

### Output:



# Practical 7

Write a python function to find the sum and average of all the elements in the

list. Return these values and print them outside the function.

# Assuming position=index+1

myList=[57,89,78,1]

print("List: ",myList)

myList.insert(2,50)

print("i.",myList)

myList.insert(0,25)

print("ii.",myList)

myList.pop(-2)

print("iii.",myList)

myList.reverse()

print("iv.",myList)

print("v. Maximum ",max(myList),"Minimum",min(myList))

myList.sort()

print("vi.",myList)

### Output:

