PROGRAM-1
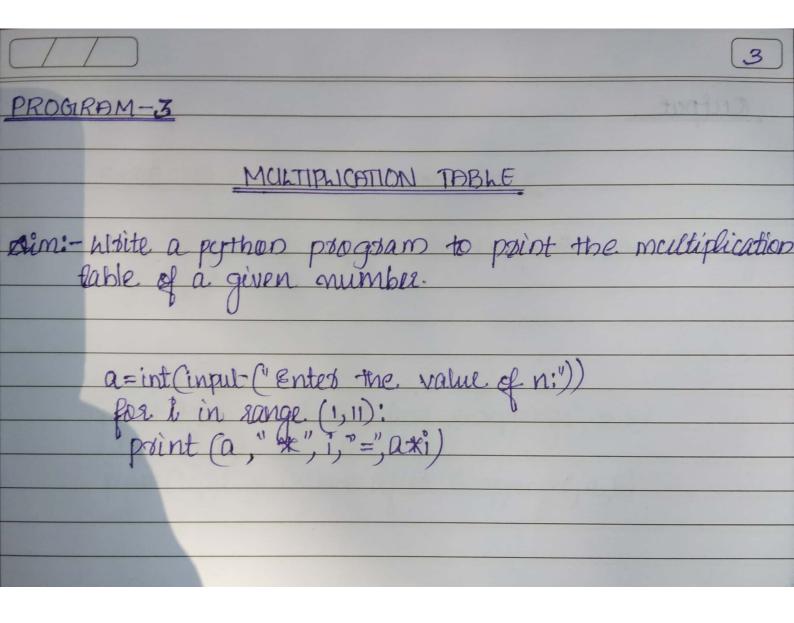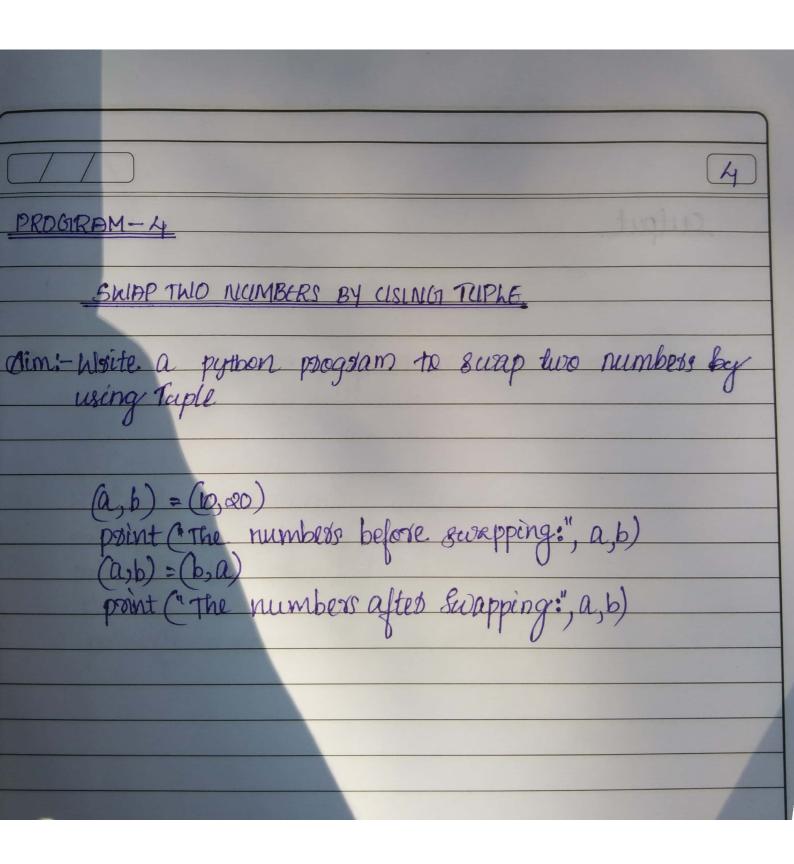
BIGGEST NUMBER AMONG GIVEN TWO NUMBERS

Aim:- Write a python program to find the biggest number among given two numbers.

```python
a=int(input("Enter the first number:"))
b=int(input("Enter the second number:"))
if(a>b):
    print("Maximum number is:",a)
else:
    print("Maximum number is:",b)
```

PROGRAM-2

LEAP YEAR OR NOT

Aim:- Write a python program to check whether a given year is a leap year or not.

```python
a=int(input("enter the year:"))
if((a%4)==0):
    print(a,"is a leap year")
else:
    print(a,"is not a leap year")
```

PROGRAM - 3

MULTIPLICATION TABLE

Aim:- Write a python program to print the multiplication table of a given number.

```python
a=int(input("Enter the value of n:"))
for i in range.(1,11):
    print(a, "*", i, "=", a*i)
```

PROGRAM-4

SWAP TWO NUMBERS BY USING TUPLE

Aim:- Write a python program to swap two numbers by using Tuple

```
(a,b) = (10,20)
print ("The numbers before swapping:", a,b)
(a,b) = (b,a)
print ("The numbers after swapping:", a,b)
```

PROGRAM-5

CONCATENATE TWO TUPLES

Aim:- write a python program to concatenate two tuples.

```
a = (30,"a", 40.67)
b = ("cd", 89, 23.21, 41)
print ("Tuple1 Values:",a)
print (" Tuple2 values:",b)
c = a+b
print ("concatenated Tuple. values:",c)
```

PROGRAM-6

SORTED ORDER OF A TUPLE

Aim:- Write a python program to print the sorted order of a tuple.

```
a = (400, 900, 50, 96.78)
print("Elements of a:", a)
b = sorted(a)
Print("Sorted tuple:", b)
```

PROGRAM-7

SORTED DICTIONARY

aim:- Write a python program to print the sorted - dictionary.

```
d = {10:100, 30:90, 50:250, 70: 490, 90:810}
print ("original=", d)
a = sorted (d)
print ("sorted =", a)
```

PROGRAM-8

LENGTH OF THE DICTIONARY

Aim:- Write a python program to print the length of the dictionary.

```
d={10:100,30:90,50:250,70:490,90:810}
print("original=",d)
a=len(d)
print("length=",a)
```

PROGRAM-9

EVEN SQUARES

Aim:- Write a python program to print the even squares

```
squares = {n: n*n for n in range.(6)}
print (squares)
```

PROGRAM-10

ADD LABELS AT THE LEFT AND RIGHT SIDE OF THE WINDOW

aim:- write a python program to add labels at the left and rightside of the window.

```python
from tkinter import *
a=Tk()
l1 = label(a,tent="good").pack(side="left")
l2=label(a,tent="morning").pack(side="right")
a.title('First Tkinter program')
a.mainloop()
```

PROGRAM-11

GREATEST NUMBER AMONG GIVEN FOUR NUMBERS

Aim:- Write a python program to find the greatest num-
- ber among given four numbers.

```python
a = float(input("Enter the first number:"))
b = float(input("Enter the second number:"))
c = float(input("Enter the third number:"))
d = float(input("Enter the fourth number:"))
if((a>b) and (a>c) and (a>d)):
    print("Greatest number is:", a)
elif((b>a) and (b>c) and (b>d)):
    print("Greatest number is:", b)
elif((c>a) and (c>b) and (c>d)):
    print("Greatest number is:", c)
else:
    print("Greatest number is:", d)
```

PROGRAM-12

MATHEMATICAL CONSTANTS, π, and e.

aim:- Write a python program to use the mathematical constants, π and e.

```
import math
print ("value of pi=", math.pi)
print ("value of e=", math.e)
```

PROGRAM-13

TRUNICATE THE GIVEN FLOATING POINT DATA

Aim:- Write a python program to truncate the given float
-ing point data.

```
import math
a=10.54
b= math.trunc (a)
print (b)
```

PROGRAM-14

DISPLAY THE DATA

Aim:- Write a python program to display the data.

```
a=20
b=10.5
print(a)
print(b)
```
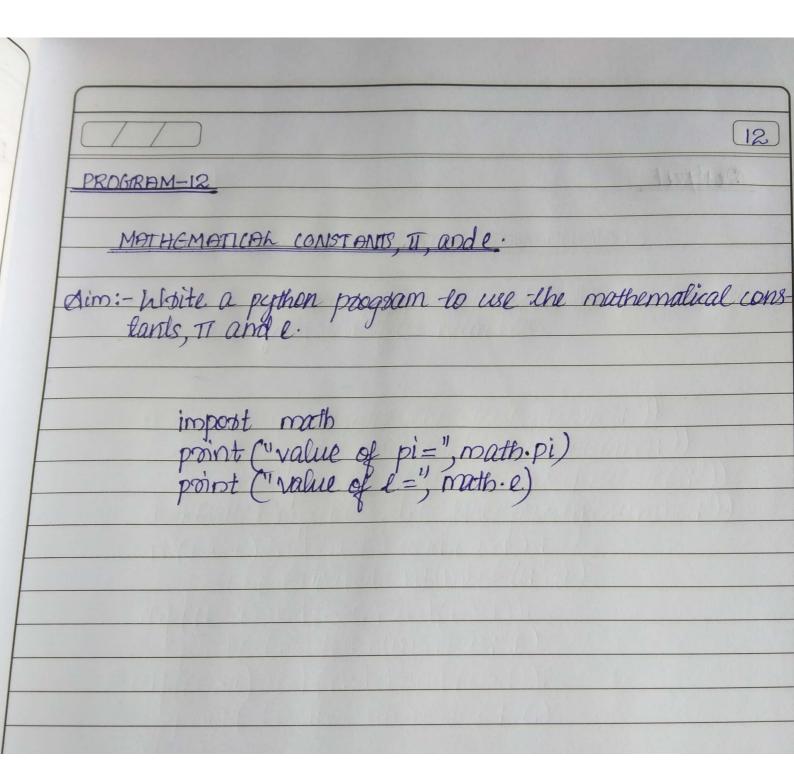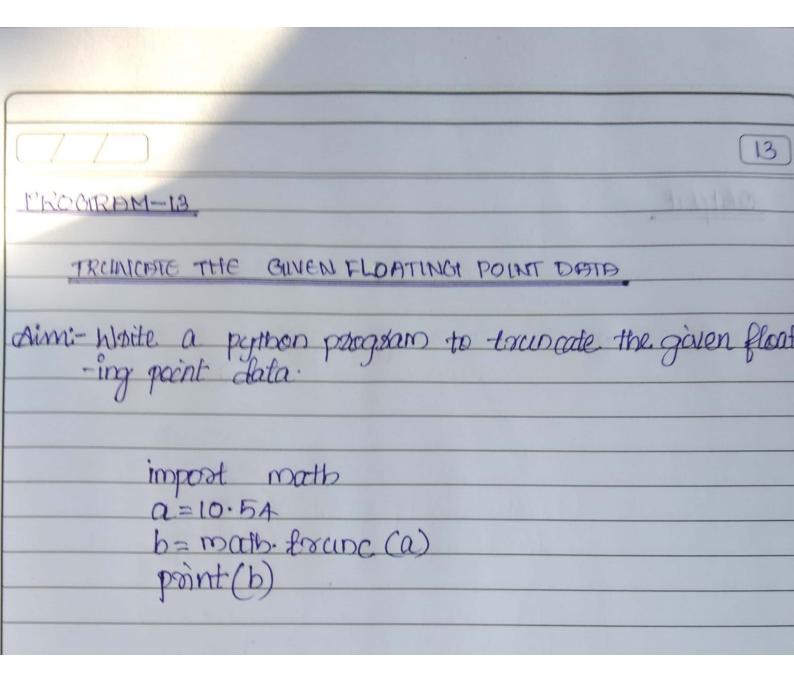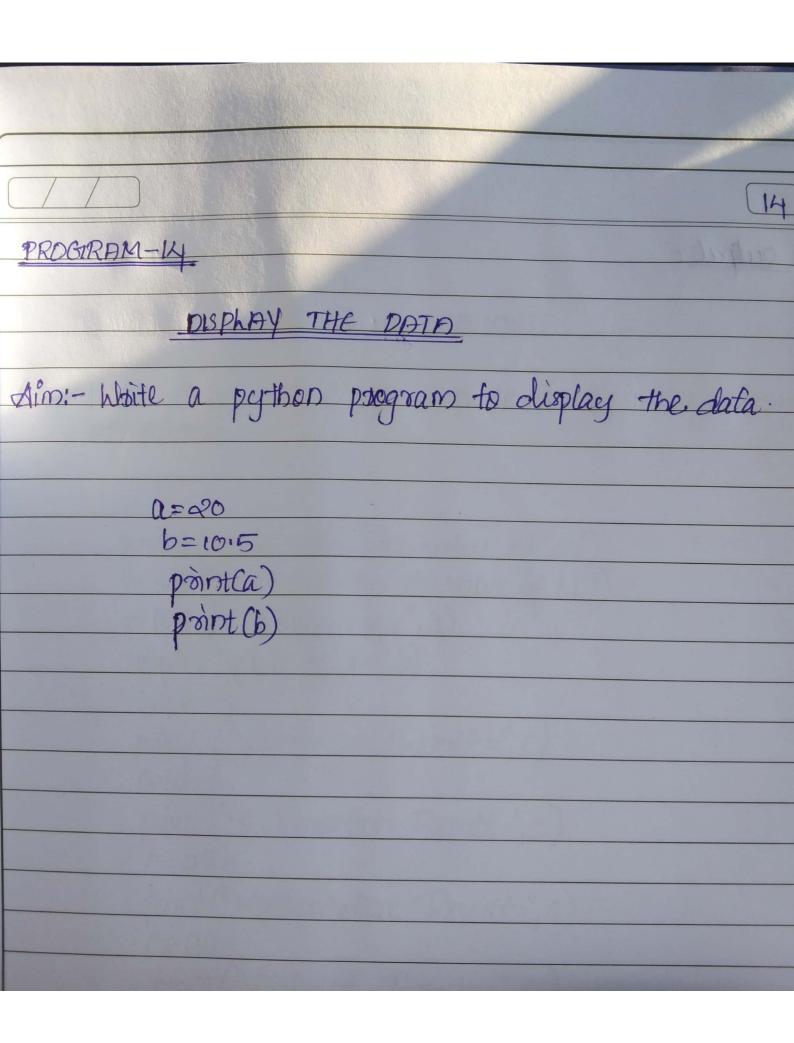
PROGRAM-15

ARITHMETIC OPERATIONS

Aim:- Write a python program to perform various arithmet
operations.

```python
a = int(input("Enter the value of a:"))
b = int(input("Enter the value of b:"))
print("Value of A=",a)
print("value of B=",b)
c = a+b
print("Addition Result=",c)
c = a-b
print("Subtraction Result=",c)
c = a*b
print("Multiplication Result=",c)
c = a/b
print("Division Result=",c)
c = a%b
print("Reminder Result=",c)
c = a**2
print("Exponential Result=",c)
c = (-a)//b
print("Floor Division Result=",c)
```

PROGRAM-16

FACTORIAL OF A GIVEN NUMBER

Aim:- Write a python program to compute the factorial of a given number.

```
import math
a=int(input(" enter the number:"))
b=math.factorial(a)
print(b)
```

PROGRAM- 17

SUM OF ARRAY OF ELEMENTS

Aim:- Write a python program to compute the sum of array of elements.

```
import math
a = [10.5, 23.54]
b = math.fsum (a)
print (b)
```

PROGRAM-18

MEMBERSHIP OPERATIONS

aim:- Write a python program to perform various membership operations.

```
a = [1, 2, 3, 4, 5]
b = 3
print("value of a=",a)
print("value of b=",b)
print("Result of b in a =",(b in a))
print("Result of b not in a=",(b not in a))
```

PROGRAM-19

RELATIONAL OPERATIONS

aim:- Write a python program to perform various relatio
-nal operations.

```python
a = int(input("Enter the value of a:"))
b = int(input("Enter the value of b:"))
print("value of A=", a)
print("value of B=", b)
print("Result of a==b", a==b)
print("Result of a!=b", a!=b)
print("Result of a>b", a>b)
print("Result of a<b", a<b)
print("Result of a>=b", a>=b)
print("Result of a<=b", a<=b)
```

PROGRAM-20

LOGICAL OPERATIONS

Aim:- Write a python program to perform various logical operations.

```
a = int(input("enter the value of a:"))
b = int(input("enter the value of b:"))
print("value of A=",a)
print("value of B=",b)
print("Result of logical AND=",(a and b))
print("Result of logical OR=",(a or b))
print("Result of logical NOT of logical AND=",
(not(a and b)))
```