```
python -u "/Users/adityakhote/Desktop/Python Repo/File/1.py"
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/1.py"
  Enter Length :- 22.2
  Enter Width :- 12.2
  Area of Rectangle :-  270.84
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/2.py"
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/2.py"
  Enter base :- 20
  Enter height :- 12
  Area of Triangle :-  0.30000000000000004
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/3.py"
  Enter the length of the cuboid: 11
  Enter the width of the cuboid: 12
  Enter the height of the cuboid: 13
  Area of the cuboid is:-  862.0
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/4.py"
  Enter length of first parallel side: 13
  Enter length of second parallel side: 45
  Enter the height: 22
  Area of the trapezium: 638.0
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/5.py"
  Enter the first number: 12
  Enter the second number: 10
  Addition (+): 22.0
  Subtraction (-): 2.0
  Multiplication (*): 120.0
  Modulus (%): 2.0
  Floor Division (//): 1.0
  Division (/): 1.2
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/6.py"
  Enter a Number :23
  Positive number
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/6.py"
  Enter a Number :12
  Positive number
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/7.py"
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/7.py"
  Enter a number : 12
  Even number -
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/7.py"
  Enter a number : 13
  Odd number  -
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/8.py"
  Enter the dividend: 34
  Enter the divisor: 23
  Quotient: 1
  Remainder: 11
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/9.py"
  Enter a number 23
  Number is not divisible by 2 and 8
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/9.py"
  Enter a number 22
  Number is divisible by 2
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/10.py"
  Enter any float number for multiplication table : 5.32
  Multiplication Table of 5.32
  5.32 x 1 = 5.32
  5.32 x 2 = 10.64
  5.32 x 3 = 15.96
  5.32 x 4 = 21.28
  5.32 x 5 = 26.60
  5.32 x 6 = 31.92
  5.32 x 7 = 37.24
  5.32 x 8 = 42.56
  5.32 x 9 = 47.88
  5.32 x 10 = 53.20
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/11.py"
  Enter numbers to sum. Enter 0 to stop.
  Enter a number: 12
  Enter a number: 12
  Enter a number: 3
  Enter a number: 11
  Enter a number: 0
  The sum of the numbers is: 38.0
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
● adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/12.py"
  Enter numbers separated by space: 12 32 54 13 54 66
  Maximum value: 66.0
○ adityakhote@Adityas-MacBook-Air Python Repo % █
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/13.py"
aadityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/13.py"
Enter a decimal number: 10
Binary representation: 1010
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
aadityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/14.py"
Enter a string: aditya
Not a palindrome
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/14.py"
Enter a string: racecar
Palindrome
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/15.py"
aadityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/15.py"
[1, 2, 3, 4, 3]
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/16.py"
aadityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/16.py"
Enter elements of list 1 separated by space: 1 2 3 4 5
Enter elements of list 2 separated by space: 1 2 3 4 5
Sum of lists: 30
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/17.py"
aadityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/17.py"
Enter numbers separated by spaces: 1 2 3 4 5
Maximum value: 5
Minimum value: 1
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
aadityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/18.py"
Enter list elements separated by space: 1 2 3 4 5 6 7
Enter the number to search: 3
Element found at index: 2
aadityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/18.py"
Enter list elements separated by space: 1 2 3 4 5 6 7
Enter the number to search: 9
Element not found -1
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/19.py"
Enter list elements separated by space: 1 2 3 4 5
Enter the item to remove: 2
Updated list: ['1', '3', '4', '5']
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/20.py"
How many entries do you want to add? 2
Enter key: name
Enter value: aditya
Enter key: age
Enter value: 21
Dictionary: [['name', 'aditya'], ['age', '21']]
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/21.py"
Third element: 3
Updated dictionary: [['one', 1], ['two', 2], ['three', 3], ['four', 40]]
Dictionary after adding new item: [['one', 1], ['two', 2], ['three', 3], ['four', 40], ['five', 5]]
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/22.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/22.py"
Enter the number of rows for the patterns: 5

Pattern 1 (Stars):
*
**
***
****
*****

Pattern 2 (Increasing Numbers):
1
22
333
4444
55555

Pattern 3 (Decreasing Numbers):
11111
2222
333
44
5

Pattern 4 (Alphabets):
A
AB
ABC
ABCD
ABCDE
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/23.py"
1
2
3
4
5
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/24.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/24.py"
Enter the first number: 12
Enter the second number: 2
Enter operation (add, subtract, multiply, divide): add
Result: 14
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/24.py"
Enter the first number: 12
Enter the second number: 2
Enter operation (add, subtract, multiply, divide): subtract
Result: 10
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/24.py"
Enter the first number: 12
Enter the second number: 2
Enter operation (add, subtract, multiply, divide): multiply
Result: 24
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/24.py"
Enter the first number: 12
Enter the second number: 2
Enter operation (add, subtract, multiply, divide): divide
Result: 6
adityakhote@Adityas-MacBook-Air Python Repo % 
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/25.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/25.py"
Enter your birth year: 2003
Your age: 21
adityakhote@Adityas-MacBook-Air Python Repo % 
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/26.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/26.py"
Current time: 1731253966.459129
GM Time: time.struct_time(tm_year=2024, tm_mon=11, tm_mday=10, tm_hour=15, tm_min=52, tm_sec=46, tm_wday=6, tm_yday=315, tm_isdst=0)
Local Time: time.struct_time(tm_year=2024, tm_mon=11, tm_mday=10, tm_hour=21, tm_min=22, tm_sec=46, tm_wday=6, tm_yday=315, tm_isdst=0)
MK Time: 1731253966.0
C Time: Sun Nov 10 21:22:46 2024
AS Time: Sun Nov 10 21:22:46 2024
adityakhote@Adityas-MacBook-Air Python Repo % 
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/27.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/27.py"
Enter year: 2024
Enter month: 11
Calendar for month: 11 Year: 2024
    November 2024
Mo Tu We Th Fr Sa Su
             1  2  3
 4  5  6  7  8  9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30

Calendar for the year:
                      2024

      January                February                March
Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su
 1  2  3  4  5  6  7              1  2  3  4               1  2  3
 8  9 10 11 12 13 14    5  6  7  8  9 10 11    4  5  6  7  8  9 10
15 16 17 18 19 20 21   12 13 14 15 16 17 18   11 12 13 14 15 16 17
22 23 24 25 26 27 28   19 20 21 22 23 24 25   18 19 20 21 22 23 24
29 30 31               26 27 28 29            25 26 27 28 29 30 31

       April                   May                    June
Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su
 1  2  3  4  5  6  7          1  2  3  4  5                   1  2
 8  9 10 11 12 13 14    6  7  8  9 10 11 12    3  4  5  6  7  8  9
15 16 17 18 19 20 21   13 14 15 16 17 18 19   10 11 12 13 14 15 16
22 23 24 25 26 27 28   20 21 22 23 24 25 26   17 18 19 20 21 22 23
29 30                  27 28 29 30 31         24 25 26 27 28 29 30

        July                 August               September
Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su
 1  2  3  4  5  6  7             1  2  3  4                      1
 8  9 10 11 12 13 14    5  6  7  8  9 10 11    2  3  4  5  6  7  8
15 16 17 18 19 20 21   12 13 14 15 16 17 18    9 10 11 12 13 14 15
22 23 24 25 26 27 28   19 20 21 22 23 24 25   16 17 18 19 20 21 22
29 30 31               26 27 28 29 30 31       23 24 25 26 27 28 29
                                               30

      October                November               December
Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su   Mo Tu We Th Fr Sa Su
    1  2  3  4  5  6                1  2  3                      1
 7  8  9 10 11 12 13    4  5  6  7  8  9 10    2  3  4  5  6  7  8
14 15 16 17 18 19 20   11 12 13 14 15 16 17    9 10 11 12 13 14 15
21 22 23 24 25 26 27   18 19 20 21 22 23 24   16 17 18 19 20 21 22
28 29 30 31            25 26 27 28 29 30       23 24 25 26 27 28 29
                                               30 31
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/28.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/28.py"
Leap days between 1950 and 2000: 13
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/29.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/29.py"
Enter the numerator: 12
Enter the denominator: 2
Result: 6.0
adityakhote@Adityas-MacBook-Air Python Repo %
```

```
python -u "/Users/adityakhote/Desktop/Python Repo/File/30.py"
adityakhote@Adityas-MacBook-Air Python Repo % python -u "/Users/adityakhote/Desktop/Python Repo/File/30.py"
Enter a number: a
  File /Users/adityakhote/Desktop/Python Repo/File/30.py, line 5
            except
                 ^
        SyntaxError: expected ':'
Error: Please enter a valid integer.
adityakhote@Adityas-MacBook-Air Python Repo %
```