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In [1]: ## Mod01_Lab 1: Mailing Address
print ("Yatin Pawar")
print("2525 Preston Rd")
print("Plano, TX 75093, United States")
```

Yatin Pawar
2525 Preston Rd
Plano, TX 75093, United States

```
In [2]: ## Mod01_Lab 2: Area of a Room
a=float(input("Enter the length of the room in feet:"))
b=float(input("Enter the width of the room in feet:"))
c=a*b
d=round(c,2)
print("The area of a room is " + str(d) + " square feet")
```

The area of a room is 35.0 square feet

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In [3]: ## Mod01_Lab 3: Arithmetic Operations using Binary Operator

a = int(input("Enter the values of a:"))
b = int(input("Enter the values of b:"))

# addition, subtraction, multiplication, quotient, remainder, power
print (a, "+", b, "is", a + b)
print (a, "-", b, "is", a - b)
print (a, "*", b, "is", a * b)
print (a, "/", b, "is", a / b)
print (a, "%", b, "is", a % b)
print (a, "^", b, "is", a ** b)
```

3 + 5 is 8
3 - 5 is -2
3 * 5 is 15
3 / 5 is 0.6
3 % 5 is 3
3 ^ 5 is 243

```
In [4]: ## Mod01_Lab 4: Even or Odd?
num = int(input("Enter a number: "))

if num % 2 == 1:
    print(num, "This is an odd number.")
else:
    print(num, "This is an even number.")
```

17 This is an odd number.

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In [5]: ## Mod01_Lab 5:Vowel or Consonant
x = input("Input a letter of the alphabet: ")

if x in ('a', 'e', 'i', 'o', 'u'):
    print("%s is a vowel." % x)
elif x == 'y':
    print("Sometimes letter y stand for vowel, sometimes stand for consonant.")
else:
    print("%s is a consonant." % x)
```

Sometimes letter y stand for vowel, sometimes stand for consonant.

```
In [6]: ## Mod01_Lab 6: Average
print("Input some integers to calculate their average. Input 0 to exit.")

count = 0
sum = 0.0
number = 1

while number != 0:
    number = int(input(""))
    sum = sum + number
    count += 1

if count == 0:
    print("Input some numbers")
else:
    print("Average of the above numbers are: ", sum / (count-1))
```

Input some integers to calculate their average. Input 0 to exit.

Average of the above numbers are: 3.5

In [7]:

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## Mod01_Lab 7: Multiplication Table

MIN=1
MAX=10

print (" ", end =" ")

for i in range(MIN, MAX+1):
    print("%4d" % i, end=" ")
print()

for i in range(MIN, MAX+1):
    print("%4d" % i, end=" ")
    for j in range(MIN, MAX+1):
        print("%4d" % (i * j), end=" ")
    print()
```

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

In []: