

```
1 r=float(input("Enter r:"))
2 area=3.14*r**2
3 print("Area:",area)
```

```
Enter r:5.6
Area: 98.4704
```

```
1 r=float(input("Enter r:"))
2 print("Area:",3.14*r**2)
```

```
Enter r:5.6
Area: 98.4704
```

```
1 print("Area:",3.14*float(input("Enter r:"))**2)
```

```
Enter r:5.6
Area: 98.4704
```

```
1 print("Area of Rectangle:",float(input("Enter l:"))*float(input("Enter b:")))
```

```
Enter l:7.8
Enter b:11
Area of Rectangle: 85.8
```

```
1 p=float(input("Enter Amount:"))
2 r=float(input("rate of interest:"))
3 t=float(input("Enter time in years0:"))
4 a=p*(1+r/100)**t
5 print("Compound interest:",a-p)
```

```
Enter Amount:0
rate of interest:0
Enter time in years:9
Compound interest: 0.0
```

```
1 import math
```

```
1 math.inf
```

```
inf
```

```
1 math.sqrt(121)
```

```
11.0
```

```
1 121**0.5
```

```
11.0
```

```
1 x=10
2 x<<2
```

40

```
1 x=10
2 x>>2
```

2

```
1 ~(-1234)
```

1233

```
1 no=int(input("Enter a number:"))
2 if no>=0:
3     print("Entered if")
4     print("Accept it")
5     print("Exiting if")
6 print("done")
```

File "<ipython-input-24-7fc14bcb2ee3>", line 6
 print("done")
 ^

IndentationError: unexpected indent

SEARCH STACK OVERFLOW

```
1 no=int(input("Enter a number:"))
2 if no>=0:
3     print("Accept it")
4 else:
5     print("Rejected it")
6 print("done")
```

Enter a number:-99
Rejected it
done

```
1 if:
2 elif:
3 elif:
4 elif:
5 else:
```

File "<ipython-input-28-774f1dd50554>", line 1
 if
 ^

SyntaxError: invalid syntax

SEARCH STACK OVERFLOW

```
1 #+ve or -ve
2 no=int(input("Enter a number:"))
3 if no>=0:
4     print(no,"is +ve")
5 else:
6     print(no,"is -ve")
7
```

```
Enter a number:-0
0 is +ve
```

```
1 # +ve 0 or -ve
2 no=int(input("Enter a number:"))
3 if no>0:
4     print(no,"is +ve")
5 elif no<0:
6     print(no,"is -ve")
7 else:
8     print(no,"is zero")
9
```

```
Enter a number:0
0 is zero
```

```
1 #rear 2 numbers and print smaller also check for both equal
2 no1=int(input("Enter a number:"))
3 no2=int(input("Enter another number:"))
4 if no1<no2:
5     print(no1,"is minimum")
6 elif no2<no1:
7     print(no2,"is minimum")
8 else:
9     print(no1,no2,"are equal")
```

```
Enter a number:9
Enter another number:9
9 9 are equal
```

```
1 #print passing class given percentage
2 # p>60:first
3 # 50<=p<60:Second
4 # 40<=p<50:Third
5 # p<40:fail
6 p=float(input("Enter Percentages:"))
7 if p>=60:
8     print("First class")
9 elif p>=50:
10    print("Second class")
11 elif p>=40:
12    print("Third class")
13 else:
14    print("Fail")
```

```
Enter Percentages:76.9
First class
```

```
1 i=0
2 while i<=3:
3     print(i)
4     i+=1
5 print("Finally i is:",i)
```

```
0
1
2
3
Finally i is: 4
```

```
1 # 10,20,30... 100
2 # 10,9,8,    1
3 # 1 to n where n enter by user n>0
4 # print series start to end
5     start:3 end:5 3,4,5
6     start:2 end:-2 2,1,0,-1,-2
```

```
1
```

```
1 # 10,20,30... 100
2 i=10
3 while i<=100:
4     print(i)
5     i+=10
6 print("Finally i is:",i)
```

```
10
20
30
40
50
60
70
80
90
100
Finally i is: 110
```

```
1 #10,9,8    1
2 i=10
3 while i>=1:
4     print(i)
5     i-=1
6
```

```
10
9
8
7
6
5
4
```

3
2
1

```
1 # 1 to n
2 n=int(input("Enter n:"))
3 i=1
4 while i<=n:
5     print(i)
6     i+=1
```

Enter n:7
1
2
3
4
5
6
7

```
1 '''print series start to end
2     start:3 end:5 3,4,5
3     start:2 end:-2 2,1,0,-1,-2'''
4 start,end=int(input("Enter start:")),int(input("Enter End:"))
5 if start<end:#counter
6     i=start
7     while i<=end:
8         print(i,",",end='')
9         i+=1
10 else:
11     i=start
12     while i>=end:
13         print(i,",",end='')
14         i-=1
```

Enter start:3
Enter End:-4
3 ,2 ,1 ,0 , -1 , -2 , -3 , -4 ,

```
1 while True:
2     no=input("Enter a number:")
3     if no=='':
4         break
5 print("Tnaks for using code.")
6
```

Enter a number:11
Enter a number:-22
Enter a number:34
Enter a number:77
Enter a number:123456
Enter a number:8765432
Enter a number:0
Enter a number:
Tnaks for using code.

```

1 while True:
2     no=int(input("Enter a number:"))
3     if no==28:
4         break
5 print("Thaks for using code.")
6

```

```

Enter a number:22
Enter a number:11
Enter a number:0
Enter a number:29
Enter a number:28
Thaks for using code.

```

```

1 #1.tea 2.coffe 3. cold drink 0.exit ---Error
2 while True:
3     #menu
4     print("\n1.tea\n2.coffe\n3.cold drink\n0.exit\n:")
5     #input
6     ch=int(input(""))
7     #conditional if elif elif else(error)
8     if ch==1:
9         print("Have tea")
10    elif ch==2:
11        print("Have coffe")
12    elif ch==3:
13        print("Have cold drink")
14    elif ch==0:
15        print("Thanks for using code:")
16        break
17    else:
18        print("Wrong Choice")

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
1
Have tea

1.tea
2.coffe
3.cold drink
0.exit
:
2
Have coffe

1.tea
2.coffe
3.cold drink
0.exit
:
3
Have cold drink

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
8
Wrong Choice

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
0

```

```

1 #1.tea 2.coffe 3. cold drink 0.exit ---Error
2 total=0
3 ct=cc=cd=0
4 while True:
5     #menu
6     print("\n1.tea\n2.coffe\n3.cold drink\n0.exit\n:")
7     #input
8     ch=int(input(""))
9     #conditional if elif elif else(error)
10    if ch==1:
11        ct+=1
12        print("Have tea")
13    elif ch==2:
14        cc+=1
15        print("Have coffe")
16    elif ch==3:
17        cd+=1
18        print("Have cold drink")
19    elif ch==0:
20        total=ct*10+cc*15+cd*30
21        print("Total business:",total,"\nTea:",ct," Coffee:",cc," Cold Drink:",cd)
22        break
23    else:
24        print("Wrong Choice")

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
1
Have tea

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
1
Have tea

```

```

1.tea

```

```

2.coffe
3.cold drink
0.exit
:
1
Have tea

1.tea
2.coffe
3.cold drink
0.exit
:
2
Have coffe

1.tea
2.coffe
3.cold drink
0.exit
:
2
Have coffe

1.tea
2.coffe
3.cold drink
0.exit
:
3
Have cold drink

1.tea
2.coffe
3.cold drink
0.exit
:
0
Total business: 90
Tea: 3  Coffee: 2  Cold Drink: 1

```

```

1 #1.tea 2.coffe 3. cold drink 0.exit ---Error
2 total=0
3 ct=cc=cd=0
4 while True:
5     #menu
6     print("\n1.tea\n2.coffe\n3.cold drink\n0.exit\n:")
7     #input
8     ch=int(input(""))
9     #conditional if elif elif else(error)
10    if ch==1:
11        ct+=1
12        total+=10
13        print("Have tea")
14    elif ch==2:
15        cc+=1
16        total+=15
17        print("Have coffe")
18    elif ch==3:
19        cd+=1

```



```

20     total+=30
21     print("Have cold drink")
22     elif ch==0:
23         print("Total business:",total,"\nTea:",ct," Coffee:",cc," Cold Drink:",cd)
24         break
25     else:
26         print("Wrong Choice")

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
1
Have tea

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
1
Have tea

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
1
Have tea

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
2
Have coffe

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
2
Have coffe

```

```

1.tea
2.coffe
3.cold drink
0.exit
:
3
Have cold drink

```

```

1.tea
2.coffe
3.cold drink
0.exit

```

```
:
0
Total business: 90
Tea: 3 Coffee: 2 Cold Drink: 1
```

```
1 #Armstrong 153=1^3+5^3+3^3
2 no=121
3 tno=no
4 sum=0
5 while no>0:
6     d=no%10
7     no=no//10
8     sum=sum+d**3
9 if sum==tno:
10     print("Yes it is")
11 else:
12     print("No it is not")
13
14
```

No it is not

```
1 no=12345
2 while no>0:
3     d=no%10
4     no=no//10
5     print(no,d)
6
```

1234 5
123 4
12 3
1 2
0 1

```
1 no=121
2 tno=no
3 rno=0
4 while no>0:
5     d=no%10
6     no=no//10
7     rno=rno*10+d
8     print("no:",no,"rno",rno)
9 if rno==tno:
10     print("Yes")
11 else:
12     print("No")
```

no: 12 rno 1
no: 1 rno 12
no: 0 rno 121
Yes

