

Program Name Please execute the program and check the output
demo1.py

```
a = 33  
b = 200
```

```
if b > a:  
    print("b is greater than a")
```

Output

Program Name Please execute the program and check the output
demo2.py

```
a = 33  
b = 200
```

```
if b > a:  
    print("b is greater than a")
```

Output

Program Name Please execute the program and check the output
demo3.py

```
a = 33
```

```
b = 33
```

```
if b > a:  
    print("b is greater than a")
```

```
elif a == b:  
    print("a and b are equal")
```

Output

Program Name Please execute the program and check the output
demo4.py

```
a = 200
```

```
b = 33
```

```
if b > a:  
    print("b is greater than a")
```

```
elif a == b:  
    print("a and b are equal")
```

```
else:  
    print("a is greater than b")
```

Output

Program Name Please execute the program and check the output
demo5.py

```
a = 200
```

```
b = 33
```

```
if b > a:  
    print("b is greater than a")
```

```
else:  
    print("b is not greater than a")
```

Output

Program Name Please execute the program and check the output
demo6.py

```
a = 200
```

```
b = 33
```

```
if a > b: print("a is greater than b")
```

```
print("A") if a > b else print("B")
```

Output

Program Name Please execute the program and check the output
demo7.py

```
a = 200  
b = 33
```

```
if a > b: print("a is greater than b")
```

```
print("A") if a > b else print("B")
```

Output

Program Name Please execute the program and check the output
demo8.py

```
flag = True
```

```
if flag==True:  
    print("Welcome")  
    print("To")  
    print("Python programming language" )
```

Output

Program Name Please execute the program and check the output
demo9.py

```
flag = False
```

```
if flag==True:  
    print("Welcome")  
    print("To")  
    print("Python programming language" )
```

Output

Program Name Please execute the program and check the output
demo10.py

```
i = 20;
```

```
if (i < 15):  
    print ("i is smaller than 15")  
    print ("i'm in if Block")
```

```
else:  
    print ("i is greater than to 15")  
    print ("i'm in else Block")
```

```
print ("i'm not in if and not in else Block")
```

Output

Program Name Please execute the program and check the output
demo11.py

```
i = 10
if (i == 10):

    if (i < 15):
        print ("i is smaller than 15")

    if (i < 12):
        print ("i is smaller than 12 too")

    else:
        print ("i is greater than 15")
```

Output

Program Name Please execute the program and check the output
demo12.py

```
x = int(input("Enter x value :"))
y = int(input("Enter y value :"))
z = int(input("Enter z value :"))

if x>y and x>z:
    print("x is greater than remaining two values")

elif y>z:
    print("y is greater than remaining two values")

else:
    print("z is greater than remaining two values ")
```

Output

Program Name Calculating the marks and check the output
demo13.py

```
math = int(input("Enter your maths marks:"))
sci = int(input("Enter your science marks:"))
kan = int(input("Enter your Kannada marks:"))

a = (math + sci + kan)/3

i = int(a)

print("The total average 3 subjects are :",i,"%")

if i>90 and i<=100:
    print("A+ bro")

elif i>80 and i<=90:
    print("A bro")

elif i>60 and i<=80:
    print("B+ bro")

elif i>50 and i<=60:
    print("B bro")

elif i>=30 and i<=35:
    print("C+ bro just pass")

elif i<35:
    print("Sorry boss, you failed")
```

Output

Program Name Please execute the program and check the output
demo14.py

```
print("Welcome to DANIEL Airport")
weight = float(input("How many pounds does your suitcase weigh? "))

if weight > 50:
    print("There is a $25 charge for luggage and already deducted from your credit card, don't get surprise.")

print("Thank you and Enjoy the Journey Boss.")
```

Output

Program Name Please execute the program and check the output
demo15.py

```
balance = -5

if balance < 0:
    print("Balance is in negative mode please add funds now or you will be charged a penalty.")
```

Output

Program Name Please execute the program and check the output
demo16.py

```
num = 22
if num % 2 == 0:
    print("Even Number")
else:
    print("Odd Number")
```

Output

Program Name Please execute the program and check the output
demo17.py

```
x=10

print(isinstance(x, int))
print(isinstance(x, str))
```

Output

Program Name Please execute the program and check the output
demo18.py

```
name="Daniel"

print(isinstance(name, str))
print(isinstance(name, int))
```

Output

Program Name Please execute the program and check the output
demo19.py

```
x=10
```

```
if isinstance(x, int):  
    print("integer data type")
```

```
else:  
    print("Its other type")
```

Output

Program Name Please execute the program and check the output
demo20.py

```
x=10
```

```
if isinstance(x, str):  
    print("string data type")
```

```
else:  
    print("It is an integer type")
```

Output

Program Name Please execute the program and check the output
demo21.py

```
name="daniel "  
  
if isinstance(name, str):  
    print("string data type")  
  
else:  
    print("It is other type")
```

Output

Program Name Please execute the program and check the output
demo22.py

```
name="Daniel"  
  
if isinstance(xyz, int):  
    print("integer data type")  
  
else:  
    print("It is string data type")
```

Output

**Program
Name**

Please execute the program and check the output
demo23.py

```
answer = input("Is Python teaching by Daniel, Yes or Not >> ")

if answer == "Yes":
    print("Welcome to Python sessions by Daniel, please don
't sleep")

else :
    print("I guess you are not student of Daniel.")

print("Thanks!")
```

Output

Program Name Please execute the program and check the output
demo24.py

```
print("welcome to AiNextGen company...")

allowed_users = ['daniel', 'chiru', 'balayya']
username = input("What is your login name? : ")

if username in allowed_users:
    print("Access granted, Enjoy Guru :)")

else:
    print("Sorry Boss, access denied: Contact Admin team. Namaskaar")
```

Output

Program Name Please execute the program and check the output
demo25.py

```
number = 4
guess = int(input('Guess number between 1 to 10 : '))

if guess == number:
    print("Congratulations Dude, you guessed it but no prizes :) ")

elif guess < number:
    print('No, it is a little higher than guessed number')

else:
    print('No, it is a little lower than guessed number')
```

Output

**Program
Name**

Please execute the program and check the output
demo26.py

```
x = int(input("What is the time?"))

if x < 10:
    print("Good morning")

elif x<12:
    print("Soon time for lunch")

elif x<18:
    print("Good day")

elif x<22:
    print("Good evening")

elif x>=22 and x<=24:
    print("Good night")

else:
    print("Dude, please Buy clock and learn timings, Good
day")
```

Output

Program Name Please execute the program and check the output demo27.py

```
marks=int(input("Enter marks: "))

if marks >= 90:
    print("A grade")

elif marks >=80:
    print("B grade")

elif marks >=70:
    print("C grade")

elif marks >= 65:
    print("D grade")

elif marks >= 55:
    print("E grade")

elif marks >= 35:
    print("Congrats for great achievement, hope you are from Back bench")

else:
    print("Congratulation Dude, you have successfully failed")
```

Output

Program Name

Please execute the program and check the output
demo28.py

```
marks=int(input("Enter marks: "))

if marks >= 90:
    if marks > 96:
        print("A++")

    elif marks > 93 and marks <= 96:
        print("A+")

    elif marks >= 90:
        print("A grade")

elif marks >=80:
    print("B grade")

elif marks >=70:
    print("C grade")

elif marks >= 65:
    print("D grade")

elif marks >= 55:
    print("E grade")

elif marks >= 35:
    print("Congrats for great achievement, hope you are from Back bench")

else:
    print("Congratulation Dude, you have successfully failed")
```

Output

Program Name Please execute the program and check the output
demo29.py

```
while True:
    n = input('Please enter 4 to quit application: ')
    if n == '4':
        break

print("Thank you")
```

Output

Program Name Please execute the program and check the output
demo30.py

```
number = 4
running = True

while running:
    guess = int(input('Please guess number between 1 to 10 :
'))

    if guess == number:
        print('Congratulations Dude, you guessed it but no
prizes :)')
        running = False

    elif guess < number:
        print('No, it is a little higher than that.')

    else:
        print('No, it is a little lower than that.')

else:
    print('The while loop is over.')
```

Output

Program Name Please execute the program and check the output
demo31.py

```
for x in range(1, 10):  
    if (x%2==0):  
        print(x)
```

Output

Program Name Please execute the program and check the output
demo31.py

```
for x in range(1, 20):  
    if (x%2==0) and (x%4==0):  
        print(x)
```

Output

Program Name Please execute the program and check the output
demo32.py

```
data = [12, 45.678, 1+2j, True, 'daniel', [1, 2, 3]]
```

```
for item in data:  
    print("Type of ",item, " is ", type(item))
```

Output

Program

Accepts a sequence of lines and print those lines by using list, when entered blank line then program terminates

Name

demo33.py

```
lines = []  
print(lines)  
  
while True:  
    l = input()  
  
    if l:  
        lines.append(l)  
    else:  
        break  
  
print(lines)
```

Output

Program Name Please execute the program and check the output
demo34.py

```
s = input("Enter string, mixed with numbers: ")
l = 0
for c in s:
    if c.isalpha():
        l = l+1

print("Characters count from entered text:", l)
```

Output

Program Name Please execute the program and check the output
demo35.py

```
s = input("Enter string, mixed with numbers: ")
l = 0
for c in s:
    if c.isdigit():
        l = l+1

print("Numbers count from entered text:", l)
```

Output

Program Name Please execute the program and check the output
demo36.py

```
l = input("Enter any alphabet letter: ")
```

```
if l in ('a', 'e', 'i', 'o', 'u'):  
    print(l, " is a vowel.")
```

```
else:  
    print(l, " is a consonant.")
```

Output

Program Name Please execute the program and check the output
demo37.py

```
l = input("Enter any alphabet letter: ")
```

```
if len(l)==1:
```

```
    if l in ('a', 'e', 'i', 'o', 'u'):  
        print(l, " is a vowel.")
```

```
    else:  
        print(l, " is a consonant.")
```

```
else:  
    print("Invalid input")
```

Output

**Program
Name**

Please execute the program and check the output
demo38.py

```
print("List of months: January, February, March, April, May,  
June, July, August, September, October, November, December")
```

```
month_name = input("Enter name of Month: ")
```

```
if month_name == "February":  
    print("No. of days: 28/29 days")
```

```
elif month_name in ["April", "June", "September", "November"]:  
    print("No. of days: 30 days")
```

```
elif month_name in ["January", "March", "May", "July",  
"August", "October", "December"]:  
    print("No. of days: 31 day")
```

```
else:  
    print("Any month name like", month_name, "?")
```

Output

Program Name Please execute the program and check the output
demo39.py

```
n = int(input("Enter a number for table: "))
```

```
for i in range(1,11):  
    print(n, 'x', i, '=', n*i)
```

Output

Program Name Please execute the program and check the output
demo40.py

```
x = ['Daniel', 'abhishek']  
for i in x:  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo41.py

```
x = ['Daniel', 'abhishek']  
for i in x:  
    print(i.upper())
```

Output

Program Name Please execute the program and check the output
demo42.py

```
x = ['DANIEL', 'ABHISHEK']  
for i in x:  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo43.py

```
x = ['DANIEL', 'ABHISHEK']  
for i in x:  
    print(i.lower())
```

Output

Program Name Please execute the program and check the output
demo44.py

```
x = [1, 2, 3]
for i in x:
    print(i.upper())
```

Output

Program Name Please execute the program and check the output
demo45.py

```
i = 1
while i<=20:
    if i%2 == 0:
        break
    print(i)
    i += 2
```

Output

Program Name Please execute the program and check the output
demo46.py

```
i = 1
while i<=20:
    if i%3 == 0:
        break
    print(i)
    i += 2
```

Output

Program Name Please execute the program and check the output
demo47.py

```
i = 1
while False:
    if i%3 == 0:
        break
    print(i)
    i += 2
```

Output

Program Name Please execute the program and check the output
demo48.py

```
True = False
while True:
    print(True)
    break
```

Output

Program Name Please execute the program and check the output
demo49.py

```
i = 0
while i < 5:
    print(i)
    i += 1
    if i == 3:
        break
else:
    print(0)
```

Output

Program Name Please execute the program and check the output
demo50.py

```
i = 0
while i < 3:
    print(i)
    i += 1
else:
    print(0)
```

Output

Program Name Please execute the program and check the output
demo51.py

```
x = "python"
for i in x:
    print(i)
```

Output

Program Name Please execute the program and check the output
demo52.py

```
x = "python"  
for i in x:  
    print(i, end= "")
```

Output

Program Name Please execute the program and check the output
demo53.py

```
x = "python"  
for i in x:  
    print(i, end= " ")
```

Output

Program Name Please execute the program and check the output
demo54.py

```
x = "python"  
for i in x:  
    print(i+"Z")
```

Output

Program Name Please execute the program and check the output
demo55.py

```
x = "python"  
if i in x:  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo56.py

```
x = "python"  
while i in x:  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo57.py

```
x = "python"  
i="a"  
while i in x:  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo58.py

```
x = 'abcd'  
for i in range(10):  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo59.py

```
x = 'abcd'
for i in range(x):
    print(i)
```

Output

Program Name Please execute the program and check the output
demo60.py

```
x = 'abcd'
for i in range(len(x)):
    print(i)
```

Output

Program Name Please execute the program and check the output
demo61.py

```
x = 'abcd'
for i in range(x):
    print(i)
```

Output

Program Name Please execute the program and check the output
demo62.py

```
x = 'abcd'
for i in range(len(x)):
    print(i.upper())
```

Output

Program Name Please execute the program and check the output
demo63.py

```
x = 'abcd'
for i in range(len(x)):
    print(x[i])
```

Output

Program Name Please execute the program and check the output
demo64.py

```
x = 'abcd'
for i in range(len(x)):
    print(i[x])
```

Output

Program Name Please execute the program and check the output
demo65.py

```
x = 123
for i in x:
    print(i)
```

Output

Program Name Please execute the program and check the output
demo66.py

```
for i in range(0):
    print(i)
```

Output

Program Name Please execute the program and check the output
demo67.py

```
for i in range(2):
    print(i)
```

Output

Program Name Please execute the program and check the output
demo68.py

```
for i in range(2.0):  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo69.py

```
for i in range(int(2.0)):  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo70.py

```
for i in "abcd":  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo71.py

```
for i in " ":  
    print(i)
```

Output

Program Name Please execute the program and check the output
demo72.py

```
x = 2  
for i in range(x):  
    x += 1  
    print (x)
```

Output

Program Name Please execute the program and check the output
demo73.py

```
x = 2  
for i in range(x):  
    x -= 2  
    print (x)
```

Output

Program Name Please execute the program and check the output
demo74.py

```
for i in range(10):  
    if i == 5:  
        break  
    else:  
        print(i)  
else:  
    print("no value")
```

Output

Program Name Please execute the program and check the output
demo75.py

```
for i in range(5):  
    if i == 5:  
        break  
    else:  
        print(i)  
else:  
    print("no value")
```

Output

Program Name Please execute the program and check the output
demo76.py

```
text = "my name is python"  
for i in text:  
    print (i, end=",")
```

Output