



main.py

```
1 #write a program to check whether the given string has '@gmail.com' at the end or not using fu
2 def func(a):
3     if g in a[-10:]:
4         print(True)
5     else:
6         print(False)
7 g='@gmail.com'
8 a=input("Enter a string:")
9 func(a)
```



input

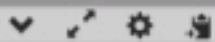
```
Enter a string:@gmail.comafifah
False
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```



main.py

```
1 #write a function that accepts a value . if the value is>=200 print"you cannot increase" else
2 def value(a):
3     if a>=200:
4         print("you cannot increase")
5     else:
6         print("updated value is ",a+5)
7 a=int(input("enter a"))
8 value(a)
```



input

```
enter a200
you cannot increase
```

```
...Program finished with exit code 0
Press ENTER to exit console.␣
```



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main.py

```
1 #create a class Student,an object of class student, object should have name,
2 class Student():
3     def __init__(self, name,age,marks1,marks2,marks3):
4         self.name=name
5         self.age=age
6         self.marks1=marks1
7         self.marks2=marks2
8         self.marks3=marks3
9     def total(self):
10         return self.marks1+self.marks2+self.marks3
11     def average(self):
12         return self.total()/3
13 student1 = Student("Afifah ",21,56,97,23)
14 print(student1.name)
15 print(student1.age)
16 print(student1.marks1)
17 print(student1.marks2)
18 print(student1.marks3)
19 print("Total is",student1.total())
20 print("Average is",student1.average())
```



input

```
Afifah
21
56
97
23
Total is 176
Average is 58.666666666666664
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```



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main.py


```
1  #create a class Student,an object of class student, object should have name,
2  class Student():
3      def __init__(self, name,age,marks1,marks2,marks3):
4          self.name=name
5          self.age=age
6          self.marks1=marks1
7          self.marks2=marks2
8          self.marks3=marks3
9  student1 = Student("Afifah ",21,56,97,23)
10 print(student1.name)
11 print(student1.age)
12 print(student1.marks1)
13 print(student1.marks2)
14 print(student1.marks3)
15
```



input

```
Afifah
21
56
97
23
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```

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Language Python 3

py

```
#create a method inside class Student, that returns the sum of marks, print sum
class Student():
    def __init__(self, name,age,marks1,marks2,marks3):
        self.name=name
        self.age=age
        self.marks1=marks1
        self.marks2=marks2
        self.marks3=marks3
    def total(self):
        return self.marks1+self.marks2+self.marks3

student1 = Student("Afifah ",21,56,97,23)
print(student1.name)
print(student1.age)
print(student1.marks1)
print(student1.marks2)
print(student1.marks3)
print("Total is",student1.total())
```

input

Afifah
21
56
97
23
Total is 176

...Program finished with exit code 0
Press ENTER to exit console.

&lt;



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Language Python 3

main.py

```
1  #write a program to print the fibanocci using recursion
2
3
4  def fibanocci(n):
5      if(n==0):
6          return 0
7      elif(n==1):
8          return 1
9      else:
10         return(fibanocci(n-1) + fibanocci(n-2))
11
12  n=int(input("Enter the number:"))
13  print("Fibanocci series:")
14  for n in range(0,n):
15      print(fibanocci(n))
16
17
```



input

Enter the number:10

Fibanocci series:

0

1

1



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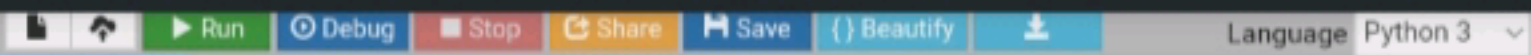
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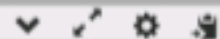
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main.py

```
1 #write a program to find the index of an element in a list
2 a=[23,86,45,975]
3 print(a.index(45))
```



input

2

```
...Program finished with exit code 0
Press ENTER to exit console.
```



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main.py

1

#write a program to find maximum number using functions

2

def max\_num(a,b,c):

3

if a>b and b>c:

4

print(a,"is the maximum number")

5

elif b>a and b>c:

6

print(b,"is the maximum number:")

7

else:

8

print(c,"is the maximum number")

9

a=int(input("enter a"))

10

b=int(input("enter b"))

11

c=int(input("enter c"))

12

max\_num(a,b,c)

input

enter a5

enter b97

enter c10


97 is the maximum number:

...

...Program finished with exit code 0

Press ENTER to exit console.





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Language Python 3 ▼

ⓘ

py

```
#write a program to find maximum element in list without using in-built methods
a=[46,2,56,898,43]
max_num=a[0]
for i in a:
    if i>max_num:
        max_num=i
print("maximum number:",max_num)
```

▼

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⚙

🖨

input

maximum number: 898

...Program finished with exit code 0  
Press ENTER to exit console.

```
1 def factorial(n):
2     if n == 0:
3         return 1
4     else:
5         result = 1
6         for i in range(1, n + 1):
7             result *= i
8         return result
9
10
11 def sum_of_factorials(num1, num2):
12     return factorial(num1) + factorial(num2)
13
14
15 num1 = int(input("Enter the first number: "))
16 num2 = int(input("Enter the second number: "))
17
18 print("Sum of factorials:", sum_of_factorials(num1, num2))
19
```

input

Enter the first number: 1  
Enter the second number: 5  
Sum of factorials: 121

...Program finished with exit code 0  
Press ENTER to exit console.