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Run Code

In [8]:
```
class call:
    sum=0
    print("program for calculate sum of three numbers!!!")
    def setdata(self,a,b,c):
        self.a=a
        self.b=b
        self.c=c
    def display(self):
        sum=self.a+self.b+self.c
        print("sum of",self.a,self.b,"and",self.c,"is:",sum)
s1=call()
s1.setdata(3,4,5)
s1.display()
```

```
program for calculate sum of three numbers!!!
sum of 3 4 and 5 is: 12
```

In [8]:
```
class cal2:
```

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Run Code

```
sum of 3 4 and 5 is: 12
```

In [8]:

```
class cal2:
    def setdata(self,radius):
        self.radius=radius
    def area(self):
        self.ans=3.14*(self.radius**2)
    def display(self):
        print("area of circle is :",self.ans)

    r=int(input("Enter radius of circle: "))
    obj=cal2()
    obj.setdata(r)
    obj.area()
    obj.display()
```

```
Enter radius of circle: 59
area of circle is : 10930.34
```

In [20]:

```
class cal3:
```

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Run Code

In [20]:

```
class cal3:
    def __init__(self,p,r,t):
        self.p=p
        self.r=r
        self.t=t
    def callInterest(self):
        self.ans=(self.p*self.r*self.t)/100
    def display(self):
        print("simple interest of",self.t,"year with interest rate",self

o1=cal3(10000,3.875,5)
o1.callInterest()
o1.display()
```

```
simple interest of 5 year with interest rate 3.875 is: 1937.5
```

In [3]:

```
class cal4:
    def setdata(self,a):
        self.a=a
```

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Run Code

In [3]:
```
class cal4:
    def setdata(self,a):
        self.a=a
    def display(self):
        sum=self.a**2
        return sum

a=int(input("enter number to calculate square :"))
s1=cal4()
s1.setdata(a)
s1.display()
```

```
enter number to calculate square :17
```

Out[3]: 289

In [20]:
```
class employee:
    def fun1(self,name,designation):
        print("employee's name is :",name)
```

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Run Code

In [20]:

```
class employee:
    def fun1(self,name,designation):
        print("employee's name is :",name)
        print("employee's designation is :",designation)

class demo(employee):
    def fun2(self,salary):
        print("employee's salary is : ",salary)

d1=demo()
d1.fun1('miller','manager')
d1.fun2(20000)
```

```
employee's name is : miller
employee's designation is : manager
employee's salary is :  20000
```

In [9]:

```
class cal5:
    def __init__(self,l,w):
```

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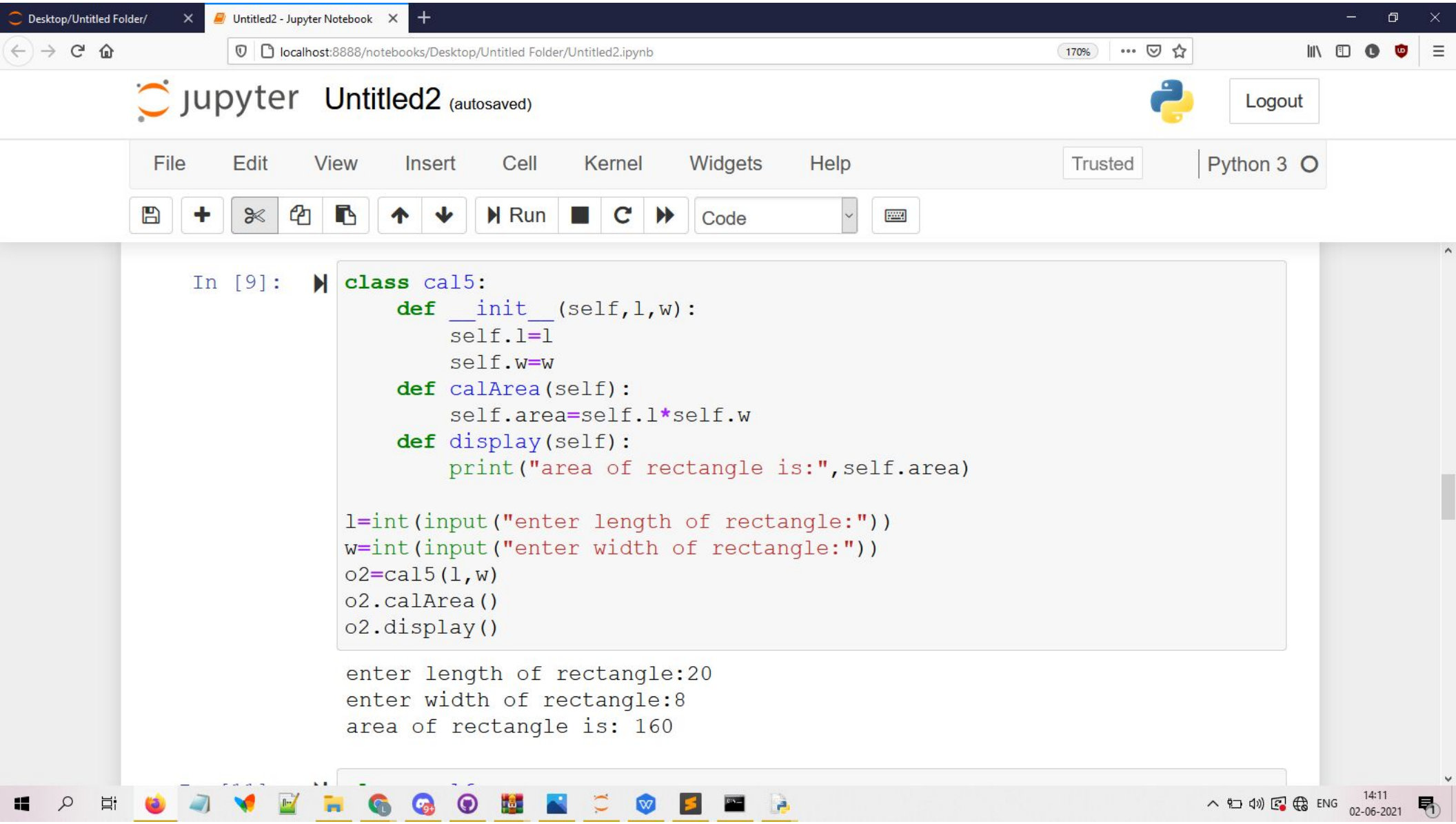
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Python 3
Run
Code
In [9]:
class cal5:
def __init__(self,l,w):
self.l=l
self.w=w
def calArea(self):
self.area=self.l*self.w
def display(self):
print("area of rectangle is:",self.area)
l=int(input("enter length of rectangle:"))
w=int(input("enter width of rectangle:"))
o2=cal5(l,w)
o2.calArea()
o2.display()
enter length of rectangle:20
enter width of rectangle:8
area of rectangle is: 160
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Run Code

In [11]:
```
class cal6:
    def setdata(self,l):
        self.l=l
    def area(self):
        self.ar=self.l**2
    def display(self):
        print("area of square having length",l,"is:",self.ar)

l=int(input("give length of square"))
s1=cal6()
s1.setdata(l)
s1.area()
s1.display()
```

```
give length of square7
area of square having length 7 is: 49
```

In [27]:
```
class publisher:
    def fun1(self,name):
```

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Run Code

In [27]:

```
class publisher:
    def fun1(self,name):
        print("name of the title is:",name)

class book(publisher):
    def fun2(self,pageNo):
        print("page no is:",pageNo)

class tape(publisher):
    def fun3(self,time):
        print("time for playing is:",time,"minitues")

d1=book()
d1.fun1("abc")
d1.fun2("56")

d2=tape()
#d2.fun1("abc")
d2.fun3("10")
```

```
name of the title is: abc
page no is: 56
time for playing is: 10 minitues
```

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Run | Code

```
time for playing is: 10 minitues
```

In [35]:

```
class scheme:

    def demo(self,scheme_id,scheme_name,outgoing_rate,message_charge):
        print("scheme ID is:",scheme_id)
        print("scheme name is:",scheme_name)
        print("outgoing rate is:",outgoing_rate)
        print("message charge is:",message_charge)

class customer(scheme):
    def demo1(self,cust_id,name,mobile_no):
        print("customer ID is:",cust_id)
        print("customer name is:",name)
        print("mobile no is:",mobile_no)

c1=customer()
c1.demo('@234','xyz','875','50$')
c1.demo1('#2765','jordan','9214633486')
```

```
scheme ID is: @234
scheme name is: xyz
outgoing rate is: 875
message charge is: 50$
customer ID is: #2765
customer name is: jordan
mobile no is: 9214633486
```

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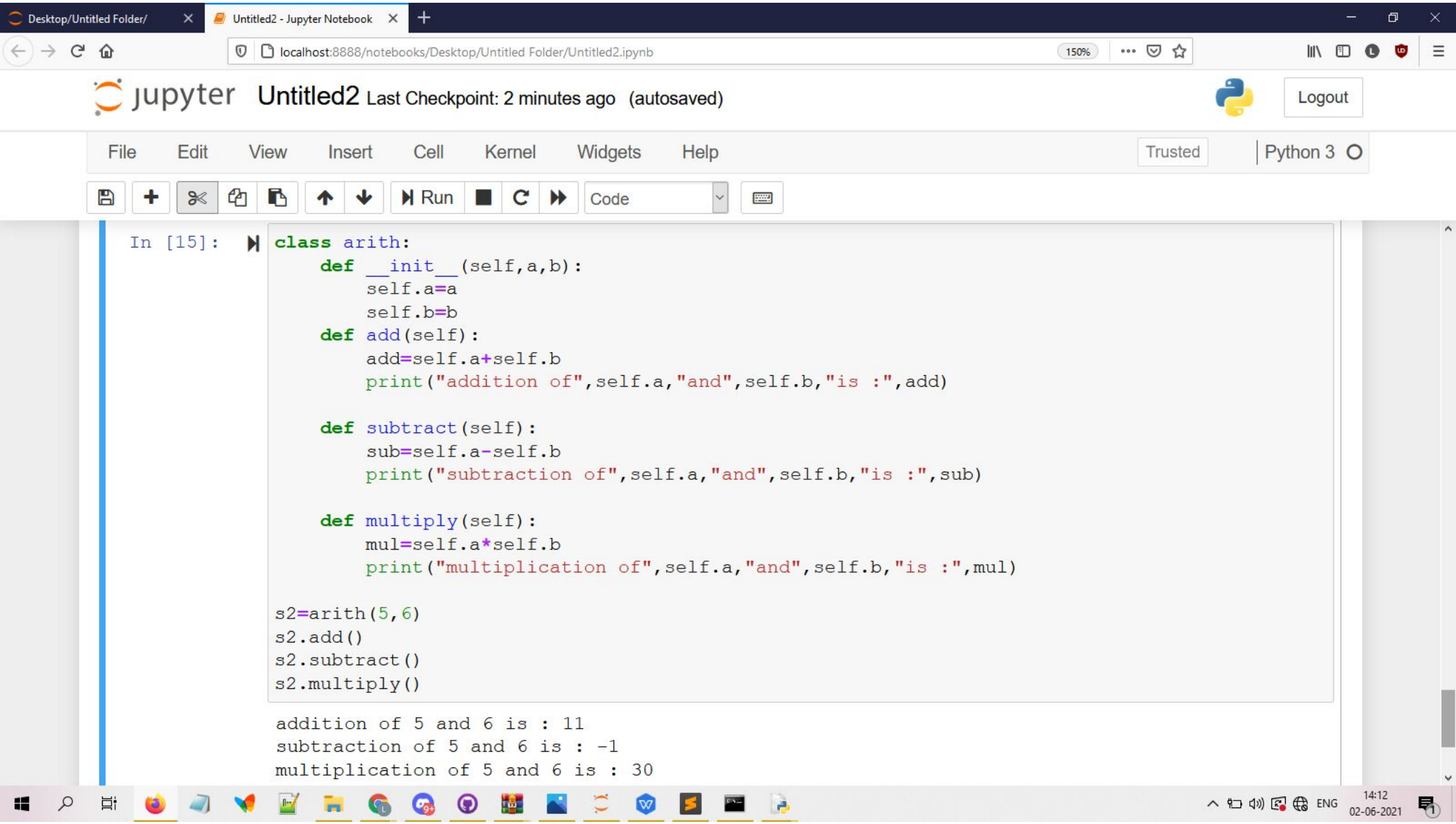
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Python 3
Run
Code
In [15]:
class arith:
def __init__(self,a,b):
self.a=a
self.b=b
def add(self):
add=self.a+self.b
print("addition of",self.a,"and",self.b,"is :",add)
def subtract(self):
sub=self.a-self.b
print("subtraction of",self.a,"and",self.b,"is :",sub)
def multiply(self):
mul=self.a*self.b
print("multiplication of",self.a,"and",self.b,"is :",mul)
s2=arith(5,6)
s2.add()
s2.subtract()
s2.multiply()
addition of 5 and 6 is : 11
subtraction of 5 and 6 is : -1
multiplication of 5 and 6 is : 30
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