```
lass circle:
def __init__(self,radius):
    self.radius=radius
def area(self):
    print("Area of the circle:",pi*self.radius**2)
def perimeter(self):
    print("Perimeter of the circle:",2*pi*self.radius)
i=3.14
=circle(2)
.area()
.perimeter()
```

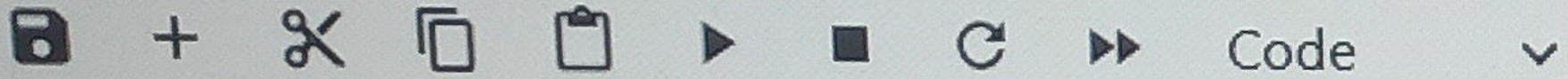
```
Area of the circle: 12.56
Perimeter of the circle: 12.56
```

```
class calculator_class:
    def __init__(self,m,n):
        self.m=m
        self.n=n
    def addition(self):
        print("Sum:",self.m+self.n)
    def subtraction(self):
        print("Difference:",self.m-self.n)
    def multiplication(self):
        print("Product:",self.m*self.n)
    def division(self):
        print("Quotient:",self.m/self.n)
x=calculator_class(5,4)
x.addition()
x.subtraction()
x.multiplication()
x.division()
```

```
Sum: 9
Difference: 1
Product: 20
Quotient: 1.25
```

```
class shape:
    def area(self):
        pass
    def perimeter(self):
        pass
class circle(shape):
    def ___init__(self,radius):
        self.radius=radius
    def area(self):
        print("Area of the circle:",3.14*self.radius**2)
    def perimeter(self):
        print("Perimeter of the circle:",2*3.14*self.radius)
class triangle(shape):
    def __init__(self,S1,S2,S3,base,height):
        self.S1=S1
        self.S2=S2
        self,S3=S3
        self.base=base
        self.height=height
    def area(self):
        print("Area of the triagle:",0.5*self.base*self.height)
    def perimeter(self):
        print("Perimeter of the triangle:",self.S1+self.S2+self
class square(shape):
    def __init__(self,S1):
        self:S1=S1
    def area(self):
        print("Area of the square:",self.S1**2)
    def perimeter(self):
        print("Perimeter of the square:",4*self.S1)


=circle(2)
```




```
x=circle(2)
y=triangle(4,5,3,5,6)
z=square(4)
x.area()
x.perimeter()
y.area()
y.perimeter()
z.area()
z.perimeter()
```