In [3]:

```
def Perimeter(length,breadth):
    return 2*(length+breadth)

def Area(length,breadth):
    return length*breadth


if __name__=="__main__":
    print("Enter the shape for which you want to calculate")
    print("1)square")
    print("2)Rhombus")
    print("3)rectangle")
    print("4)parallelogram")
    shape = int(input())
    print(shape==1)
    print("Enter the option that you want")
    print("1)Area")
    print("2)perimeter")
    properities = int(input())
    if (shape==1 or shape==2):
        print("Please enter the side length")
        side = int(input())
        if properities == 1:
            if shape==1:
                print("The Area of square is {}".format(Area(side,side)))
            else:
                print("The Area of rhombus is {}".format(1/2*Area(side,side)))
        else:
            print("The perimeter is ".format(side,side))
    else:
        print("Please enter the length")
        length = int(input())
        print("please enter the breadth")
        breadth = int(input())
        if properities == 1:
            print("The area is ".format(Area(length,breadth)))
        else:
            print("The perimeter is ".format(Perimeter(length,breadth)))
```

```
Enter the shape for which you want to calculate
1)square
2)Rhombus
3)rectangle
4)parallelogram
2
False
Enter the option that you want
1)Area
2)perimeter
1
Please enter the side length
4
The Area of rhombus is 8.0
```

In [ ]:

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In [ ]:

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