

```
In [1]: class vector2:
        def __init__(self, x , y):
            self.a = x
            self.b = y
        def dotproduct(self, a , b):
            if len(a) != len(b):
                print("unequal list")
            else:
                c = [x*y for x , y in zip(a,b)]
                print("dot product of two vector is ", c)
```

```
In [2]: l1=[3, 6, 9]
        l2=[4, 8, 12]
        v1 = vector2(l1, l2)
        v1.dotproduct(l1,l2)
```

dot product of two vector is [12, 48, 108]