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In [1]: class vector3:
        def __init__(self, x , y , z):
            self.a = x
            self.b = y
            self.c = z
        def dotproduct(self, a , b , c):
            if len(a) != len(b) and len(b) != len(c) and len(c) != len(a):
                print("unequal list")
            else:
                e = [i*j*k for i , j , k in zip(a,b,c)]
                print("dot product of two vector is ", e)
```

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In [2]: l1 = [3, 6, 9]
        l2 = [4, 8, 12]
        l3 = [5, 10, 15]
        v1 = vector3(l1, l2, l3)
        v1.dotproduct(l1,l2, l3)
```

dot product of two vector is [60, 480, 1620]

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In [ ]:
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