In [2]:
```python
printmd("Avanish Singh", color='#00C5CD')
printmd("Sec. Q", color='#8FBC8F')
printmd("21", color='#8FBC8F')
```

Avanish Singh

Sec. Q

21

In [3]:
```python
def cosineSimilarity(arr1,arr2):
    sum1=0
    sum2=0
    sum3=0
    for i in range(len(arr1)):
        sum1 = sum1+arr1[i]*arr2[i]
        sum2 = sum2 + arr1[i]**2
        sum3 = sum3+arr2[i]**2
    res = sum1/((sum2**0.5)*(sum3**0.5))
    return res
```

In [4]:
```python
arr1 = [3,2,0,5]
arr2 = [1,0,0,0]
cosineSimilarity(arr1,arr2)
```

Out[4]: 0.48666426339228763

In [ ]: