

1. Define matrix mymat by replicating the sequence 1:5 for 4 times and transforming into a matrix, sum over rows and columns?

```
mymat <- matrix(rep(1:5,4), ncol = 4)  
apply(mymat,1,sum)
```

```
[1]  4  8 12 16 20
```

```
apply(mymat,2,sum)
```

```
[1] 15 15 15 15
```

1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5