5. Problem Statement

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

```
> m1<- matrix(1:6, nrow=3,ncol = 2)
> m1
     [,1] [,2]
[1,]    1    4
[2,]    2    5
[3,]    3    6
> u[,2:3]
```

Sum of Columns

```
> n<- 1:8
> m<- 9:16
> cbind(n,m)
      n  m
[1,] 1  9
[2,] 2 10
[3,] 3 11
[4,] 4 12
[5,] 5 13
[6,] 6 14
[7,] 7 15
[8,] 8 16
> h<- cbind(sum(n, m))
> h
      [,1]
[1,]  136
>
```

Sum of rows

```
> j<- 1:7
> k<- 8:14
> rbind(j, k)
  [,1] [,2] [,3] [,4] [,5] [,6] [,7]
j    1    2    3    4    5    6    7
k    8    9   10   11   12   13   14
> i<- rbind(sum(j, k))
> i
     [,1]
[1,]  105
>
```