

# Assignment 3(Matrix)

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```
A<-c(12, 13, 14, 15, 16)
cat("Sum of A",sum(A))
```

```
## Sum of A 70
```

```
prod<-1
for (i in A) {
  prod<-prod*i
}
cat("Product of all the element of A.",prod)
```

```
## Product of all the element of A. 524160
```

```
cat("Maximum element of A.",max(A))
```

```
## Maximum element of A. 16
```

```
cat("Minimum element of A.",min(A))
```

```
## Minimum element of A. 12
```

```
cat("Range of array A.",range(A))
```

```
## Range of array A. 12 16
```

```
cat("Mean of values of A.",mean(A))
```

```
## Mean of values of A. 14
```

```
cat("Standard deviation of value of A.",sd(A))
```

```
## Standard deviation of value of A. 1.581139
```

```
cat("Variance of value of A.",var(A))
```

```
## Variance of value of A. 2.5
```

```
cat("Median of value of A.",median(A))
```

```
## Median of value of A. 14
```

```
C<-sort(A,decreasing = TRUE)
```

```
B<-sort(A)
```

```
mat<-matrix(1:12,3,4,byrow = TRUE)
```

```
CW<-cbind(A,B,C)
```

```
RW<-rbind(A,B,C)
```

```
RW[2:3,]
```

```
##      [,1] [,2] [,3] [,4] [,5]
```

```
## B      12    13    14    15    16
```

```
## C      16    15    14    13    12
```

```
CW[,1]
```

```
## [1] 12 13 14 15 16
```