Intro HomeWork: ThulasiRam_RuppaKrishnan

```
## IST687  Intro Homework

## Define Variables
height <-c(59,60,61,58,67,72,70)
weight <-c(150,140,180,220,160,140,130)
a <- 150

## Step 1: Calculating means
mean(height)
```

```
## [1] 63.85714
```

```
mean(weight)
```

```
## [1] 160
```

```
length(height)
```

```
## [1] 7
```

```
length(weight)
```

```
## [1] 7
```

```
sum(height)
```

```
## [1] 447
```

```
sum(weight)
```

```
## [1] 1120
```

```
sum(height)/length(height)
```

```
## [1] 63.85714
```

```
sum(weight)/length(weight)
```

```
## [1] 160
```

```
## Step 2: Using max/min functions
maxH <-max(height)
minW <-min(weight)

## Step 3: Vector Math
new_weight <-weight +5
new_weight/height
```

```
## [1] 2.627119 2.416667 3.032787 3.879310 2.462687 2.013889 1.928571
```

```
##Step 4: Using Conditional if statements
if(maxH>60) "Yes" else "No"
```

```
## [1] "Yes"
```

```
if(minW>a) "Yes" else "No"
```

```
## [1] "No"
```