## **Practical No. 06**

**<u>AIM</u>** - Practical Of Simple/Multiple Linear Regression.

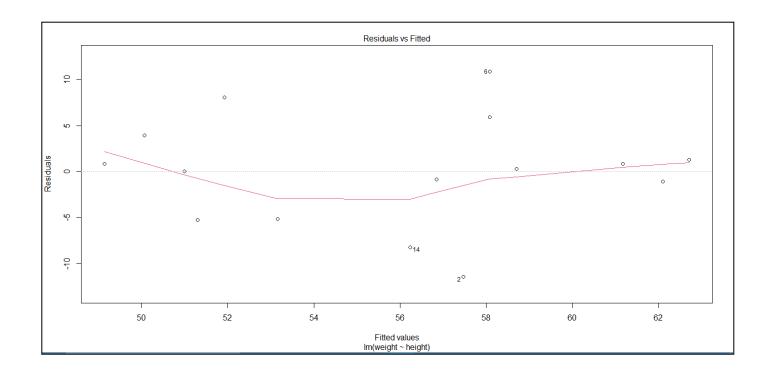
## Source Code -

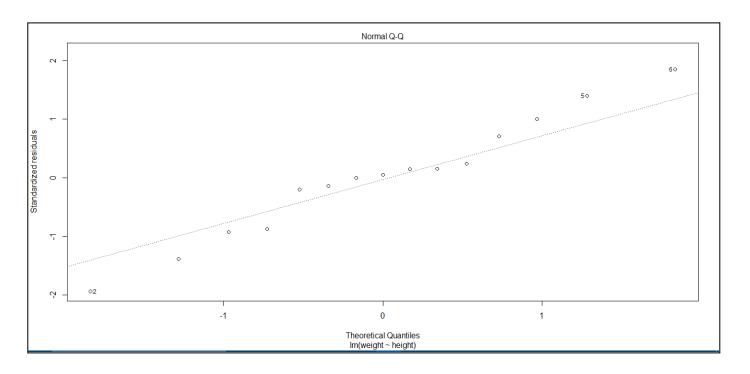
```
height <- c(102,117,105,141,135,115,138,144,137,100,131,119,115,121,113) weight <- c(61,46,62,54,60,69,51,50,46,64,48,56,64,48,59) student <- lm(weight~height) student predict(student, data.frame(height=119), interval="confidence") plot(student)
```

## **OUTPUT** -

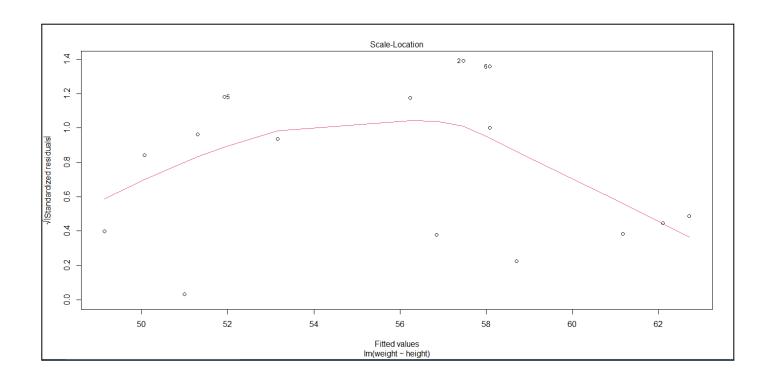
```
> height <- c(102,117,105,141,135,115,138,144,137,100,131,119,115,121,113)
> weight <- c(61,46,62,54,60,69,51,50,46,64,48,56,64,48,59)
> student <- lm(weight~height)</pre>
> student
Call:
lm(formula = weight \sim height)
Coefficients:
(Intercept)
                  height
                 -0.3084
    93.5530
> predict(student, data.frame(height=119), interval="confidence")
       fit
                lwr
                          upr
1 56.85354 53.32706 60.38003
> plot(student)
Waiting to confirm page change...
```

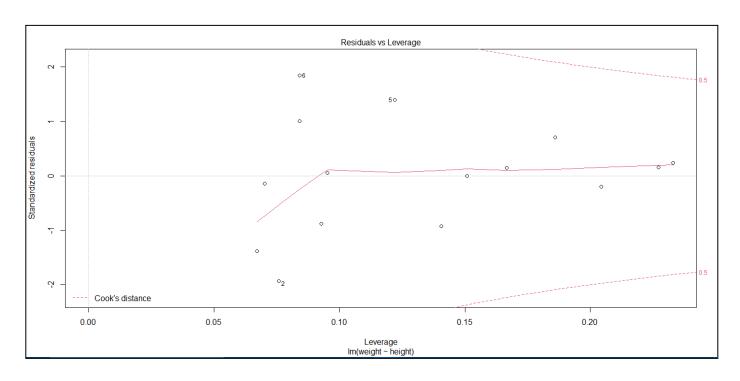
1 TYCS [55]





2 TYCS [55]





3 TYCS [55]