

Practical No. 06

AIM - 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)
> student

Call:
lm(formula = weight ~ height)

Coefficients:
(Intercept)      height
    93.5530      -0.3084

> predict(student, data.frame(height=119), interval="confidence")
      fit      lwr      upr
1 56.85354 53.32706 60.38003
> plot(student)
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> |
```



