**Code:**

**main**\_data<- read.csv(file.choose(), header = T)

attach(main\_data)

relation <- lm(scores~Hours)

print(summary(relation))

a <- data.frame('Hours' = 9.25)

result <- predict(relation,a)

print(result)

# Plot the chart.

plot(Hours,scores,col = "blue",main = "Regression",

abline(lm(scores~Hours)),cex = 1.3,pch = 16,xlab = "scores",ylab = "Hours")

Call:

lm(formula = scores ~ Hours)

Residuals:

Min 1Q Median 3Q Max

-10.578 -5.340 1.839 4.593 7.265

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.4837 2.5317 0.981 0.337

Hours 9.7758 0.4529 21.583 <2e-16 \*\*\*

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Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 5.603 on 23 degrees of freedom

Multiple R-squared: 0.9529, Adjusted R-squared: 0.9509

F-statistic: 465.8 on 1 and 23 DF, p-value: < 2.2e-16

> a <- data.frame('Hours' = 9.25)

> result <- predict(relation,a)

> print(result)

1

92.90985

> # Plot the chart.

> plot(Hours,scores,col = "blue",main = "Regression",

+ abline(lm(scores~Hours)),cex = 1.3,pch = 16,xlab = "scores",ylab = "Hours")

