Program :-

```
data <- read.csv("/home/student/Desktop/ahxmd/cardata.csv")
head(data, 10)
model <- lm(Selling_Price ~ Present_Price, data = data)
summary(model)
new_present_price <- c(5)
new_data <- data.frame(Present_Price = new_present_price)
predicted_selling_price <- predict(model, newdata = new_data)
print(predicted_selling_price)
predicted_values <- predict(model)
residuals <- data$Selling_Price - predicted_values
mse <- mean(residuals^2)
rmse <- sqrt(mse)
cat("Mean Squared Error (MSE):", mse, "\n")
cat("Root Mean Squared Error (RMSE):", rmse, "\n")

plot(data$Present_Price, data$Selling_Price,
     xlab = "Present Price", ylab = "Selling Price",
     main = "Linear Regression", pch = 19)

# Add regression line
abline(model, col = "red")
```

Output :-