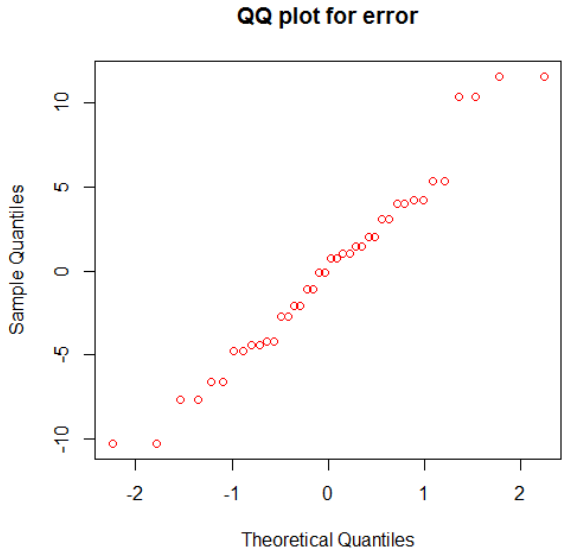
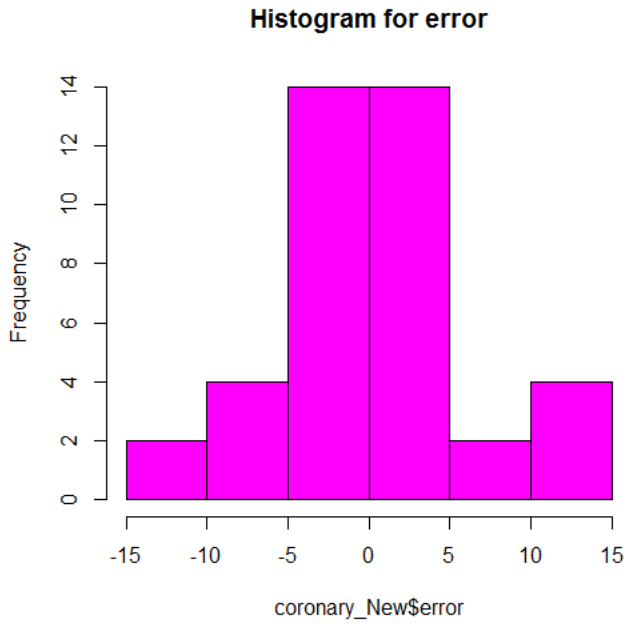
```
# ---------------------------------------
Regression Analysis: Test for Normality of error
# ---------------------------------------

# Need to import data separately
# Need to build the best model
# Then do the following steps
# If necessary go for interaction else just build the model

coronary_New$pred <- predict(fit2)
coronary_New$error <- coronary_New$risk-coronary_New$pred

qqnorm(coronary_New$error)
```




```
hist(coronary_New$error)
```




```
shapiro.test(coronary_New$error)
```

```
> shapiro.test(coronary_New$error)

        Shapiro-Wilk normality test

data:  coronary_New$error
W = 0.96983, p-value = 0.3554
```

The p value 0.3554 is more than 0.05 which is not significant at 5 % level. It is inferred that the error of the fitted model follows normality assumption