

EXPERIMENT-19

LINEAR REGRESSION:

AIM:

To write the program for the linear regression using R-tool.

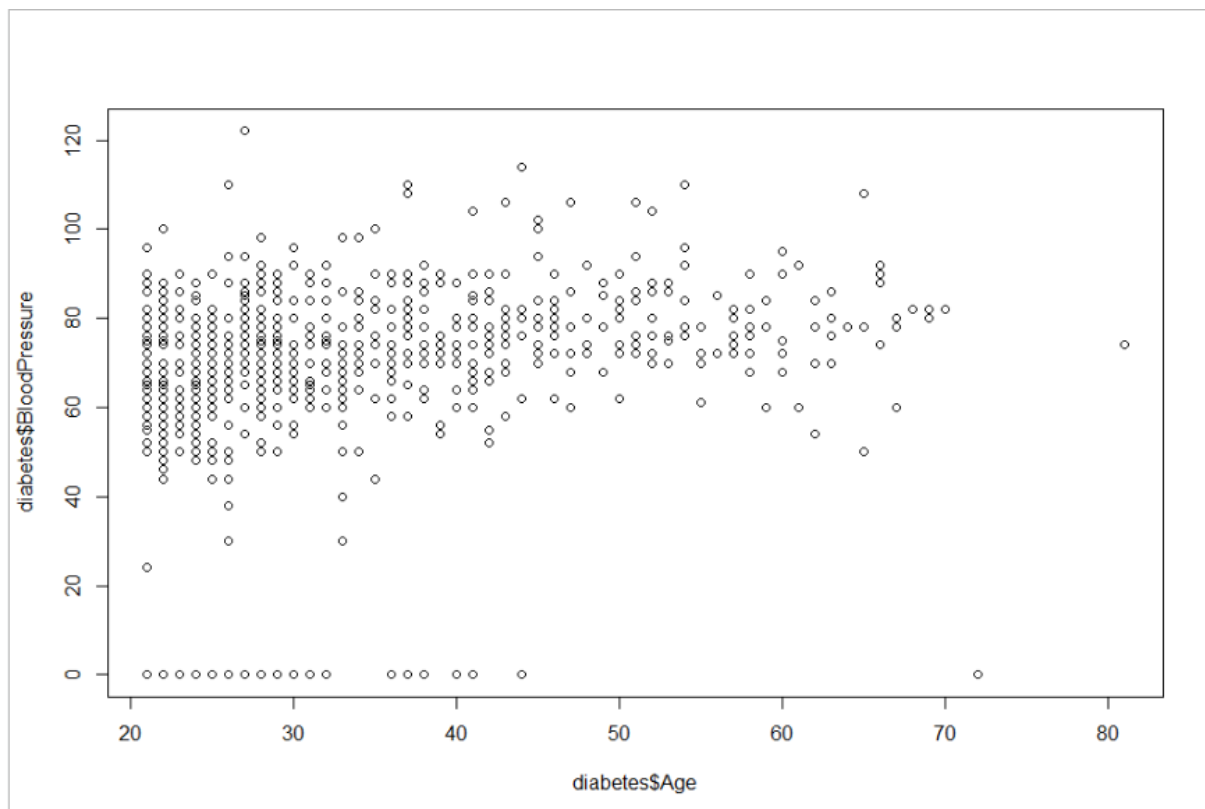
PROGRAM:

```
Relation <- lm(diabetes$BloodPressure~diabetes$Age)
```

```
Png<- (file="linear regression.png")
```

```
Plot(diabetes$Age, diabetes$BloodPressure, col="green", main= " Linear Regression Analysis" ,  
abline= (lm(diabetes$BloodPressure~ diabetes$Age)), xlab = "BloodPressure", ylab= "Age")
```

OUTPUT:



RESULT:

Thus the linear regression program was executed successfully.