```
> source('C:/Users/hp1/Desktop/R_CODE_AND_OUTPUT/Logistic_Regression.r', echo=TRUE)

> # logistic regression

> x <-sort(rnorm(100))

> set.seed(114)

> y <- c(sample(x=c(0,1),size=30,prob=c(0.9,0.1),re=T),       sample(x=c(0,1),size=20,prob=c(0.7,0.3),re=T),
sample(x=c(0,1),size=20,prob=c(0.3, .... [TRUNCATED]

> m1 <- lm(y~x)

> m2 <- glm(y~x,family=binomial(link=logit))

> y2 <- predict(m2,data=x,type='response')

> par(mar=c(5,4,0,0))

> plot(y~x);abline(m1,lwd=3,col=2)

> points(x,y2,type='l',lwd=3,col=3)
```