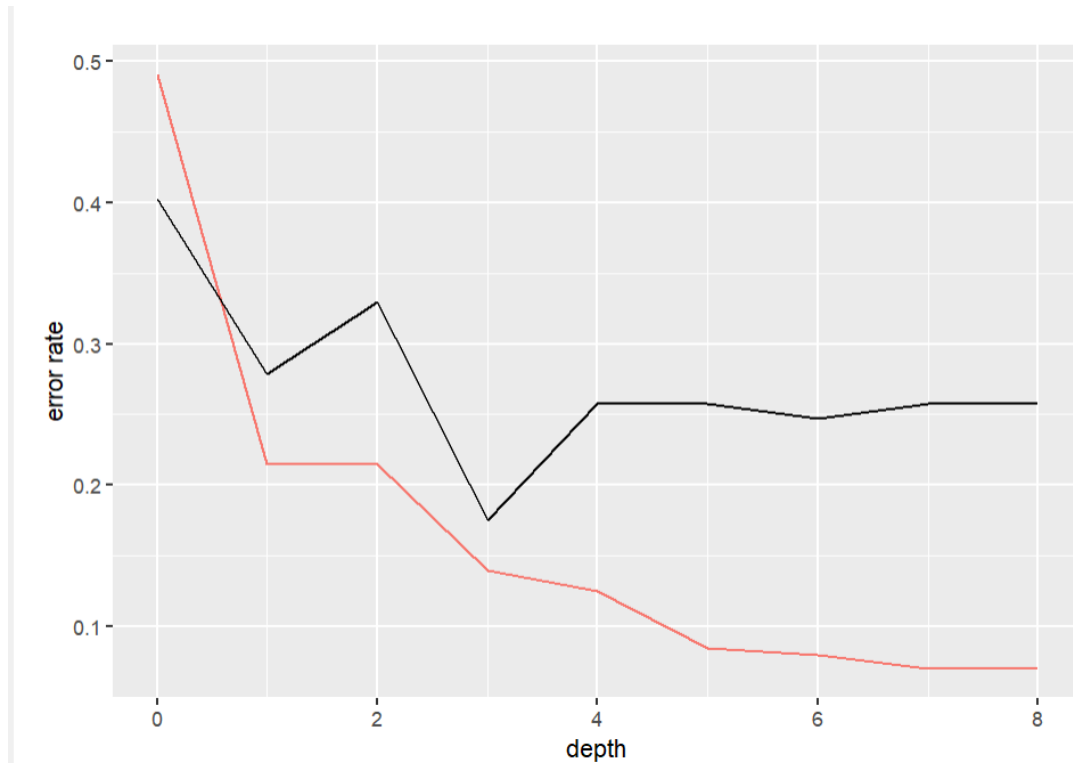


```
{r}
library(tidyverse)
library(ggplot2)
depth = c(0,1,2,3,4,5,6,7,8)
trainerror = c(0.49,0.215,0.215,0.14, 0.125,0.085,0.08,0.07,0.07)
testerror = c(0.402062,0.278351,0.329897,0.175258,0.257732,0.257732,0.247423,0.257732,0.257732)

deptherror = data.frame(depth,trainerror,testerror )
deptherror%>%ggplot(aes(x=depth))+geom_line(aes(y = trainerror, color = 'red')) +
geom_line(aes(y = testerror, color = 'blue'))
```

Red is train



```
[ 102 0 / 98 1 ]
| thalassemia = 0: [ 81 0 / 22 1 ]
| | chest_pain = 0: [ 17 0 / 17 1 ]
| | | fluoroscopy = 0: [ 14 0 / 4 1 ]
| | | fluoroscopy = 1: [ 3 0 / 13 1 ]
| | chest_pain = 1: [ 64 0 / 5 1 ]
| | | flat_ST = 0: [ 14 0 / 3 1 ]
| | | flat_ST = 1: [ 50 0 / 2 1 ]
| thalassemia = 1: [ 21 0 / 76 1 ]
| | fluoroscopy = 0: [ 17 0 / 23 1 ]
| | | angina = 0: [ 13 0 / 8 1 ]
| | | angina = 1: [ 4 0 / 15 1 ]
| | fluoroscopy = 1: [ 4 0 / 53 1 ]
| | | abnormal_ecg = 0: [ 4 0 / 22 1 ]
| | | abnormal_ecg = 1: [ 0 0 / 31 1 ]
```