```
set.seed(1234)
index<-sample(1:2,150,replace=T,prob = c(0.8,0.2))#train0.8 other 0.2 for test
train_data<-iris[index==1,]</pre>
test_data<- iris[index==2,]</pre>
dis<-matrix(0,ncol=nrow(train_data),nrow=nrow(test_data))</pre>
remember that if you want to use 2d data ,the fomattion is [1,2] not like c language [1][1]
for(i in 1:nrow(dis)){
     for(j in 1:ncol(dis)){
           dis[i,j] \leftarrow ((test_data[i,1]-train_data[j,1])^2 + (test_data[i,2]-train_data[j,2])^2 + (test_data[i,3]-train_data[j,2])^2 + (test_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-train_data[i,3]-
     index1<- order(dis[i,])#sort function</pre>
     try_data<-train_data[index1[1:k],]#</pre>
     tab <- table(try_data[,5])</pre>
     test_data[i,6]<- which.max(tab)</pre>
table(test_data[,5],test_data[,6])
##
##
                                                         2 3
##
              setosa
                                                        0 0
##
              versicolor
                                                0 7 0
                                                0 0 12
##
              virginica
sort function order()
order(dis[1,])
              [1]
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##
            [18]
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##
            [35]
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          [86]
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##
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## [103]
                          89 108 111 104 116
                                                                                     90 94 109 103 119 118
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                                                                                                                                                                                                         93 113
## [120] 110 91 100 101
```