dataTA<-read.table(file="C:/DataSets/TA1/ta1.csv",header=TRUE,sep=",")

samp <- sample(1:nrow(dataTA),size = 0.9\*nrow(dataTA))

cat("Running sample ",i,"\n")

samp <- sample(1:nrow(d),size = 0.9\*nrow(d))

training <- d[samp,]

testing <- d[-samp,]

# which one is the class attribute

Class1 <- d[samp,as.integer(args[3])]

Class2 <- d[-samp,as.integer(args[3])]

# now create all the classifiers and output accuracy values:

modelDT <- rpart(Class1 ~ ., parms = list(split = 'information'), data = training, method = 'class', minsplit = 2, minbucket = 1)

predDT <- predict(modelDT, testing, type="class")

accuracyDT <- sum(Class2 == predDT)/length(predDT)

cat("accuracy\_Desicion tree: ", accuracyDT, "\n")

modelSVM <- svm(as.factor(Class1) ~ ., data = training)

predSVM <- predict(modelSVM, testing)

accuracySVM <- sum(Class2 == predSVM)/length(predSVM)

cat("accuracy\_Support Vector Machines: ", accuracySVM, "\n")