###############################################################################################

Code to create dataset with selected features for a problem on all features of pattern collection. E.g Features of a problem (f1, f2 …) are compare with features selected from a pattern collection for each pattern with different weighting schemes

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Dataset.file<- "D:/Experimentjournal/ProblemFeasture/security\_FL.csv"

Dataset1 <- read.csv(Dataset.file,header=TRUE)

setwd("D:/Experimentjournal/ProblemFeasture/Security\_Problem49")

temp = list.files(pattern="\*.csv")

for (i in 1:length(temp)) assign(temp[i], read.csv(temp[i]))

totalfiles<- length(temp)

N <-length(Dataset1)

Totalproblem <- length(temp)

for(k in 1:Totalproblem)

{

Dataset2<- read.csv(temp[k],header=TRUE)

List2 <- Dataset2[,2]

Out <- matrix(NA, nrow=N, ncol=23)

for(a in 1:N)

{

L1 <- length(Dataset1)

L2 <- length(List2)

List <- c()

for(i in 1:L2)

{

for(j in 1:L1)

{

if(strcmp(toString(List2[i]), toString(Dataset1[a,j])))

{List <-append(List, toString(List2[i])) }

}

}

Lab3col <- c(toString(Dataset1[a,1]),toString(Dataset1[a,2]), toString(Dataset1[a,3]))

Out[a,1:3] <- Lab3col

S <- 3+length(List)

if(length(List)!=0)

Out[a,4:S] <- List

S <- S+3

Out[a,S:23] <- NA

}

Out <- Out[,colSums(is.na(Out))<nrow(Out)]

Filename <- paste("Security\_", substr(temp[k],1, nchar(temp[k])-4), ".csv", sep="")

write.csv(Out, Filename)

}