**R PROGRAM FOR FILTERING DATAFRAME FOR ANALYSIS**

CODE:

# Create DataFrame

df <- data.frame(

id = c(10,11,12,13,14,15,16,17),

name = c('chetna','sachin','deepika','sakshi','kumar','scott','Don','sarvagya'),

gender = c('F','M',NA,'F','M','M','M','F'),

dob = as.Date(c('1990-10-02','1981-3-24','1987-6-14','1985-8-16',

'1995-03-02','1991-6-21','1986-3-24','1990-8-26')),

state = c('AB','CD',’EF’,’NA’,'GH','DW','IJ','KH'),

row.names=c('r1','r2','r3','r4','r5','r6','r7','r8')

)

df

# filter by multiple conditions using |

subset(df, gender == 'M' | state == 'CD')

# subset by multiple conditions using &

subset(df, gender == 'M' & state %in% c('CD','NA'))

# filter Rows by Checking multiple conditions

df[df$gender == 'M' | df$state == 'AB',]

df[df$gender == 'M' & df$state %in% c('AB','DW'),]

library(dplyr)

# Using dplyr::filter

df %>% filter(gender == 'M' | state == 'AB')

df %>% filter(gender == 'M' & state %in% c('AB','CD') )