'''

batch=str(bvar.get())

td1=e1.get()

td2=e2.get()

df=fd

x=0

lslen=len(df['Date Time'])

td1 = datetime.datetime.strptime(td1, '%d-%m-%Y %H:%M:%S')

td2 = datetime.datetime.strptime(td2, '%d-%m-%Y %H:%M:%S')

ls=()

ls=list(ls)

while(x<lslen):

if(df['Date Time'][x]>=td1 and df['Date Time'][x]<=td2):

ls.append(ft[x])

x+=1

ls = pd.DataFrame(ls,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=ls

if(batch!=''):

batch=str(batch)

lslen=len(df)

x=0

rls1=()

rls1=list(rls1)

while(x<lslen):

if(str(df['BATCH'][x])==batch):

rls1.append(df.iloc[x,:])

x+=1

rls1 = pd.DataFrame(rls1,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls1

df.index = range(len(df['RPM1']))

if(rpm1!=''):

rpm1=str(rpm1)

lslen=len(df)

x=0

rls1=()

rls1=list(rls1)

while(x<lslen):

if(str(df['RPM1'][x])==rpm1):

rls1.append(df.iloc[x,:])

x+=1

rls1 = pd.DataFrame(rls1,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls1

df.index = range(len(df['RPM1']))

if(rpm2!=''):

rpm2=str(rpm2)

lslen=len(df)

x=0

rls2=()

rls2=list(rls2)

while(x<lslen):

if(str(df['RPM2'][x])==rpm2):

rls2.append(df.iloc[x,:])

x+=1

rls2 = pd.DataFrame(rls2,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls2

df.index = range(len(df['RPM2']))

if(rpm3!=''):

rpm3=str(rpm3)

lslen=len(df)

x=0

rls3=()

rls3=list(rls3)

while(x<lslen):

if(str(df['RPM3'][x])==rpm3):

rls3.append(df.iloc[x,:])

x+=1

rls3 = pd.DataFrame(rls3,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls3

df.index = range(len(df['RPM3']))

if(rpm4!=''):

rpm4=str(rpm4)

lslen=len(df)

x=0

rls4=()

rls4=list(rls4)

while(x<lslen):

if(str(df['RPM4'][x])==rpm4):

rls4.append(df.iloc[x,:])

x+=1

rls4 = pd.DataFrame(rls4,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls4

df.index = range(len(df['RPM4']))

if(rpm5!=''):

rpm5=str(rpm5)

lslen=len(df)

x=0

rls5=()

rls5=list(rls5)

while(x<lslen):

if(str(df['RPM5'][x])==rpm5):

rls5.append(df.iloc[x,:])

x+=1

rls5 = pd.DataFrame(rls5,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls5

df.index = range(len(df['RPM5']))

if(rpm6!=''):

rpm6=str(rpm6)

lslen=len(df)

x=0

rls6=()

rls6=list(rls6)

while(x<lslen):

if(str(df['RPM6'][x])==rpm6):

rls6.append(df.iloc[x,:])

x+=1

rls6 = pd.DataFrame(rls6,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls6

df.index = range(len(df['RPM6']))

if(rpm7!=''):

rpm7=str(rpm7)

lslen=len(df)

x=0

rls7=()

rls7=list(rls7)

while(x<lslen):

if(str(df['RPM7'][x])==rpm7):

rls7.append(df.iloc[x,:])

x+=1

rls7 = pd.DataFrame(rls7,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls7

df.index = range(len(df['RPM7']))

if(rpm8!=''):

rpm8=str(rpm8)

lslen=len(df)

x=0

rls8=()

rls8=list(rls8)

while(x<lslen):

if(str(df['RPM8'][x])==rpm8):

rls8.append(df.iloc[x,:])

x+=1

rls8 = pd.DataFrame(rls8,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

df=rls8

df.index = range(len(df['RPM8']))

temp=df['Date Time'][0]+timedelta(seconds=avg)

x=1

lslen=len(df)

tp1=()

tp2=()

tp1=list(tp1)

tp2=list(tp2)

tp2.append(df.iloc[0][:])

while(x<lslen):

if(df['Date Time'][x]<temp):

tp1.append(df.iloc[x][:])

else:

tp1=pd.DataFrame(tp1,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

tp2.append(tp1.mean())

tp2=pd.DataFrame(tp2,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

tp2['Date Time'].iloc[-1]=df['Date Time'][x]

tp2=tp2.values.tolist()

tp1=tp1.values.tolist()

tp1.clear()

temp+=timedelta(seconds=avg)

x+=1

temp-=timedelta(seconds=avg)

x=0

lslen=len(df)

tp1.clear()

tp3=()

tp3=list(tp3)

while(x<lslen):

if(df['Date Time'][x]>=temp):

tp1.append(df.iloc[x][:])

x+=1

tp1=pd.DataFrame(tp1,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

tp3.append(tp1.mean())

tp3=pd.DataFrame(tp3,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

tp3['Date Time'].iloc[-1]=df['Date Time'].iloc[-1]

tp2.append(tp3.iloc[0][:])

tp2=pd.DataFrame(tp2,columns=['Date Time','RPM1','RPM2','RPM3','RPM4','RPM5','RPM6','RPM7','RPM8','BATCH'])

print(tp2)

df=tp2

df.drop(['BATCH'], axis = 1)

for col in df.columns:

if 'BATCH' in col:

del df[col]

dtnow=datetime.datetime.now()

fdt=str(dtnow.year)+str(dtnow.month)+str(dtnow.day)+str(dtnow.hour)+str(dtnow.minute)+str(dtnow.second)

s1=r"<table border='1' class='dataframe'> <thead> <tr style='text-align: center;'> <img src='C:\Users\IAGAUTOMATION\Desktop\Untitled.jpg' width=100px height=100px><th> Batch</th><td>"+str(batch)+"</td>\n</tr><tr style='text-align: right;'><th>Start</th><td> "+str(td1)+"</td><th>End</th><td>"+str(td2)+"</td></tr></table>"

df.to\_html(fdt+'.html')

with open(fdt+'.html','r') as html\_file:

s=html\_file.read()

html\_file.close()

with open(fdt+'.html','w') as html\_file:

html\_file.write(s1+s)

html\_file.close()

path\_wkhtmltopdf = r'C:\Program Files\wkhtmltopdf\bin\wkhtmltopdf.exe'

config = pdf.configuration(wkhtmltopdf=path\_wkhtmltopdf)

pdf.from\_file(fdt+'.html',fdt+'.pdf',configuration=config)

'''