#CHAPTER 7 - HANDLING DATES AND TIMES

**#7.1 - Converting Strings to Dates**

import numpy as np

import pandas as pd

date\_strings = np.array(['03-04-2005 11:35 PM',

'23-05-2010 12:01 AM',

'04-09-2009 09:09 PM'])

print([pd.to\_datetime(date, format="%d-%m-%Y %I:%M %p", errors="coerce")for date in date\_strings])

print("dates")

**#7.3 Selecting Dates and Times**

dataframe = pd.DataFrame()

dataframe['date'] = pd.date\_range('1/1/2001', periods =100000, freq='H')

print(dataframe[(dataframe['date'] > '2002-1-1 01:00:00') & (dataframe['date'] <= '2002-1-1 04:00:00')])

print("dates between range")

**#7.6 Encoding Days of the Week**

dates = pd.Series(pd.date\_range("2/2/2002", periods =3, freq = "M"))

print(dates.dt.weekday\_name)

print("Days of the Week & values")