1. Start a new program by importing the "datetime" module to make its features available

```
from datetime import *
```

2. Next, create a datetime object with attributes assigned current date and time values then display its contents

```
today = datetime.today()
print( 'Today Is:' , today )
```

3. Add a loop to display each attribute value individually

```
for attr in \
[ 'year','month','day','hour','minute','second','microsecond' ] :
        print( attr , ':\t' , getattr( today , attr ) )
```

4. Now, add a statement to display time using dot notation

```
print( ' Time:' , today.hour , ':' , today.minute , sep = '' )
```

5. Then, assign formatted day and month names to variables

```
day = today.strftime( '%A' )
month = today.strftime( '%B' )
```

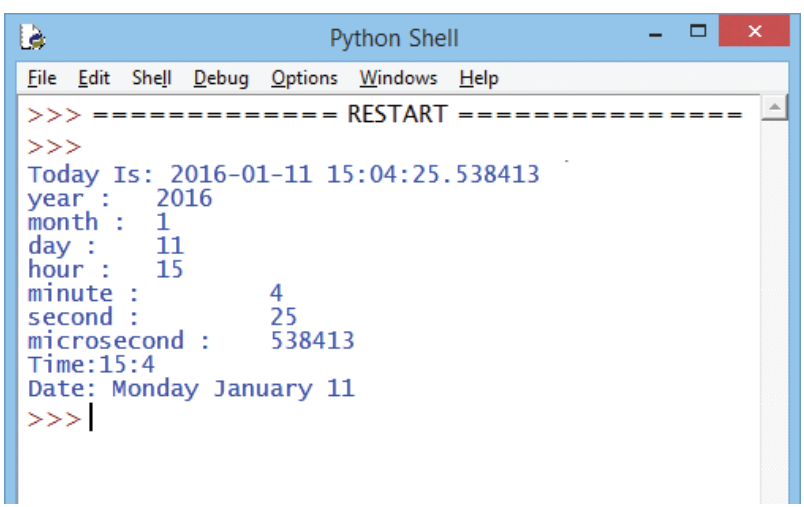
6. Finally, add a statement to display the formatted date

```
print( 'Date:' , day , month , today.day )
```

7. Save then run the program – to see the date and time values get displayed

time.py

Notice how the \ backslash character is used in this loop to allow a statement to continue on the next line without causing an error.



You can assign new values to attributes of a datetime object using its **replace()** function, such as **today = today.replace(year=2016)**