

Time Converter

Aim: To write a Python program that converts a given number of seconds into hours, minutes, and seconds, determines whether the time is more than one day, exactly one day, or less than one day, and displays the total number of minutes.

Error code:

```
print("Time Converter")

seconds = int(input("Enter seconds: "))

hours = seconds // 3600

minutes = (seconds % 3600) // 60

remaining = seconds % 60

print("Hours:", hours)

print("Minutes:", minutes)

print("Seconds:", remaining)

if hours > 24:

    print("More than a day")

elif hours == 24:

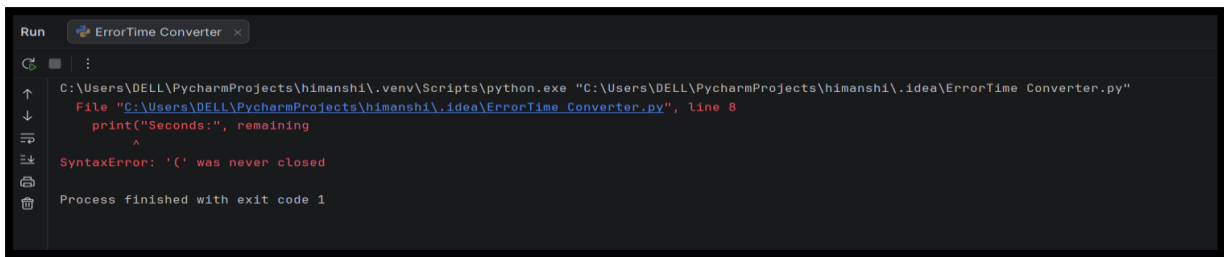
    print("Exactly one day")

else:

    print("Less than a day")

total_minutes = hours * 60 + minutes

print("Total minutes:", total_minutes)
```

Output of Error code:

The screenshot shows a Python IDE's Run window with a tab titled 'ErrorTime Converter'. The console displays the following text:

```
C:\Users\DELL\PycharmProjects\himanshi\.venv\Scripts\python.exe "C:\Users\DELL\PycharmProjects\himanshi\.idea\ErrorTime Converter.py"
File "C:\Users\DELL\PycharmProjects\himanshi\.idea\ErrorTime Converter.py", line 8
    print("Seconds:", remaining
        ^
SyntaxError: '(' was never closed
Process finished with exit code 1
```

List of Error:**1. Missing closing parenthesis:**

Wrong:

```
print("Seconds:", remaining
```

You forgot the) at the end.

Correct:

```
print("Seconds:", remaining)
```

2. Wrong comparison operator:

Wrong:

```
elif hours = 24:
```

= is **assignment**, but for comparison you must use ==.

Correct:

```
elif hours == 24:
```

3. Indentation errors:

The print() lines inside your if block must be indented correctly:

Wrong:

```
if hours > 24:
print("More than a day")
```

Correct:

```
if hours > 24:  
    print("More than a day")
```

Same for elif and else.

4. Program will crash without fixes

Because of the above syntax errors, Python cannot run your code.

Correct code:

```
print("Time Converter")  
  
seconds = int(input("Enter seconds: "))  
  
hours = seconds // 3600  
  
minutes = (seconds % 3600) // 60  
  
remaining = seconds % 60  
  
print("Hours:", hours)  
  
print("Minutes:", minutes)  
  
print("Seconds:", remaining)  
  
if hours > 24:  
  
    print("More than a day")  
  
elif hours == 24:  
  
    print("Exactly one day")  
  
else:  
  
    print("Less than a day")  
  
total_minutes = hours * 60 + minutes  
  
print("Total minutes:", total_minutes)
```

Output of Correct code:A screenshot of a Python script's output in an IDE console. The window title is 'CorrectedTime Converter'. The output shows the script running and displaying the following text: 'Time Converter', 'Enter seconds: 30', 'Hours: 0', 'Minutes: 0', 'Seconds: 30', 'Less than a day', 'Total minutes: 0', and 'Process finished with exit code 0'.

```
Run CorrectedTime Converter x
C:\Users\DELL\PycharmProjects\himanshi\.venv\Scripts\python.exe "C:\Users\DELL\PycharmProjects\himanshi\.idea\CorrectedTime Converter.py"
Time Converter
Enter seconds: 30
Hours: 0
Minutes: 0
Seconds: 30
Less than a day
Total minutes: 0

Process finished with exit code 0
```