

Sriju Learns Time & System Magic with Python!



```
python greet.py Sriju
```

Hello Sriju

Today's date is 2026-01-22

Sriju Learns Time & System Magic with Python!

Python has powerful built-in libraries. Today, Sriju meets **sys** and **datetime**. *

sys talks to the Python system

datetime works with date & time.



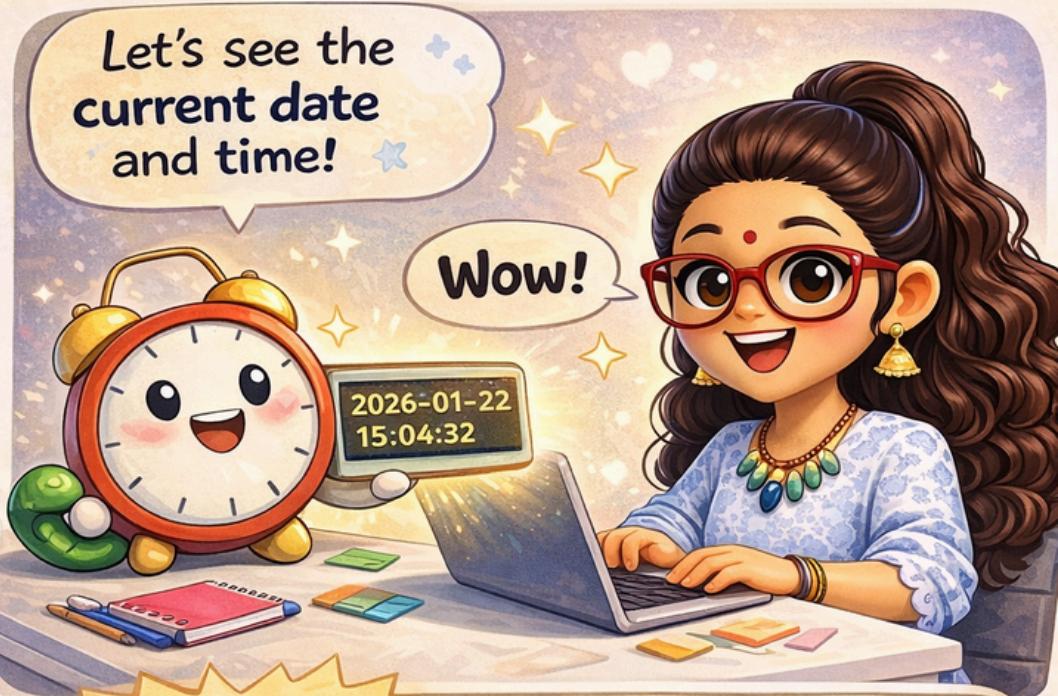
💡
import sys
import datetime

```
* import sys  
! import datetime
```

↗ Just importing! No output yet.



Getting the Current Date & Time with `datetime`!



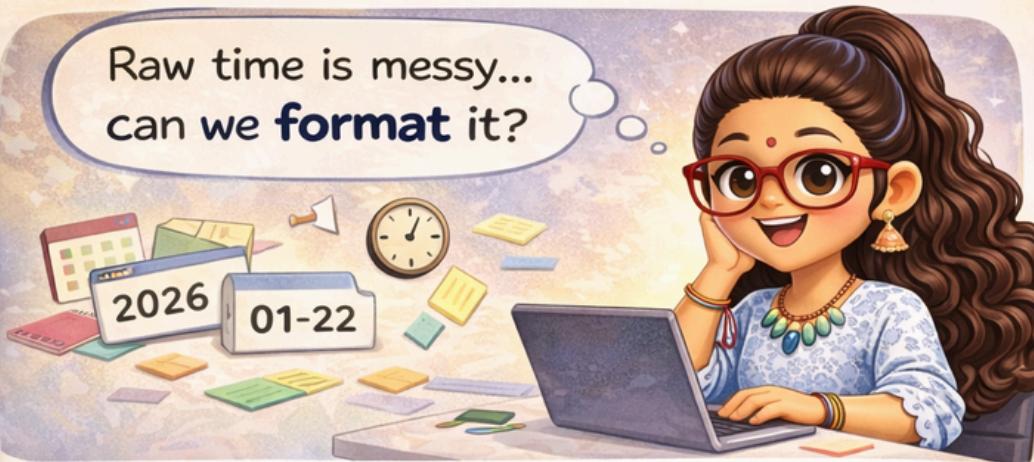
2026-01-22
15:04:32.123456

`datetime.datetime.now()`
gets the current date & time,
which is stored in the variable `now`.

```
! import sys
! import datetime.now()
  print(now)
```

Formatting Date & Time Easy!

Raw time is messy...
can we **format** it?



```
! formatted_time ≡ now.strftime()  
" %d-%m-%Y %H:%M:%S"  
! print(formatted_time)
```

strftime()

formats date & time



day



date



month



year



0H:%M:%S = time

22-01-2026

15:04:32

Wow!



Reading Command Line Arguments with **sys**!

I help Python read
what the user types!



```
# print(sys.argv)
```

python app.py Sriju

[app.py", Sriju]

Wow!

sys.argv= a list of
command-line arguments.

First item is always the script name.



Combining **sys** and **datetime** in Python!

Let's greet the user with today's date!



```
# import sys  
# import datetime  
  
name = sys.argv[1]
```

```
today = datetime.date.today()  
print("Hello", name)  
print("Today's date is, today")
```

```
# python greet.py Sriju
```

Hello Sriju

Today's date is 2026-01-22



Sriju learned **Sys** connects Python to the system and **datetime** connects Python to time!