In [7]:
```
''' os.getcwd() → Get current working directory
os.listdir() → List files/folders
os.mkdir("folder") → Create new folder
os.remove("file.txt") → Delete file
os.path.exists("path") → Check if path exists '''
import os
print("Current Directory:", os.getcwd())
# Create a folder if not existsif not os.path.exists("Logs"):
os.mkdir("Logs1")
print("Logs folder created!")
```

```
Current Directory: C:\Users\Anudip
Logs folder created!
```

In [6]:
```
#math module
''' math.sqrt(x) → Square root
math.pow(x, y) → x^y (power)
math.factorial(n) → Factorial
math.pi → π constant
math.ceil(x) → Round up
math.floor(x) → Round down'''
import math

radius = 7
area = math.pi * math.pow(radius, 2)
print("Area of Circle:", area)
```

```
Area of Circle: 153.93804002589985
```

In [8]:
```
#The sys module provides access to system-specific parameters and functions. Common
''' sys.version → Python version
sys.exit() → Exit program
sys.argv → Command-line arguments
sys.path → List of module search paths'''

import sys
print("Python Version:", sys.version)
# Command-line argument example# Run as: python script.py Johnif len(sys.argv) > 1:
print("Hello,", sys.argv[1])
```

```
Python Version: 3.12.4 | packaged by Anaconda, Inc. | (main, Jun 18 2024, 15:03:56)
[MSC v.1929 64 bit (AMD64)]
Hello, -f
```

In [3]:
```
#date time module
''' datetime.now() → Current date & time
strftime("%Y-%m-%d") → Format date
timedelta(days=5) → Date arithmetic
date.today() → Current date'''



from datetime import datetime, timedelta

now = datetime.now()
print("Current Time:", now.strftime("%Y-%m-%d %H:%M:%S"))
```

```
# Calculate date 7 days later
future_date = now + timedelta(days=7)
print("After 7 days:", future_date.strftime("%Y-%m-%d"))
```

```
Current Time: 2025-07-30 19:46:57
After 7 days: 2025-08-06
```

In [ ]: