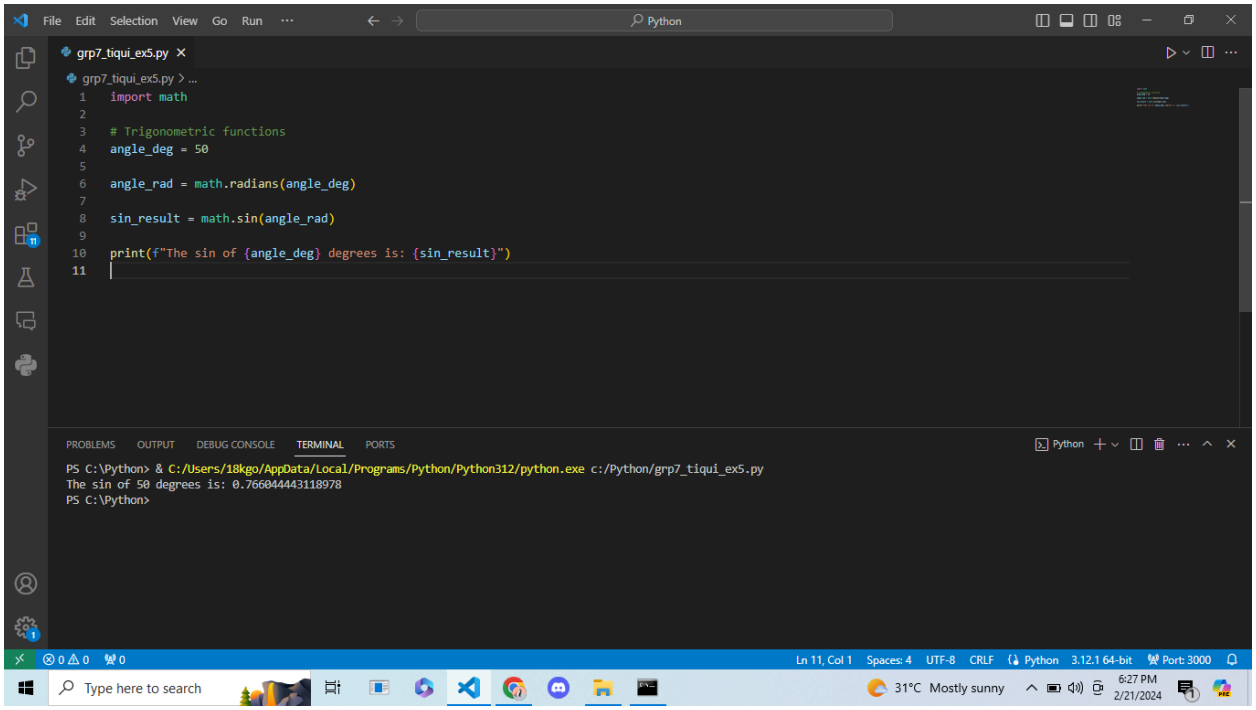
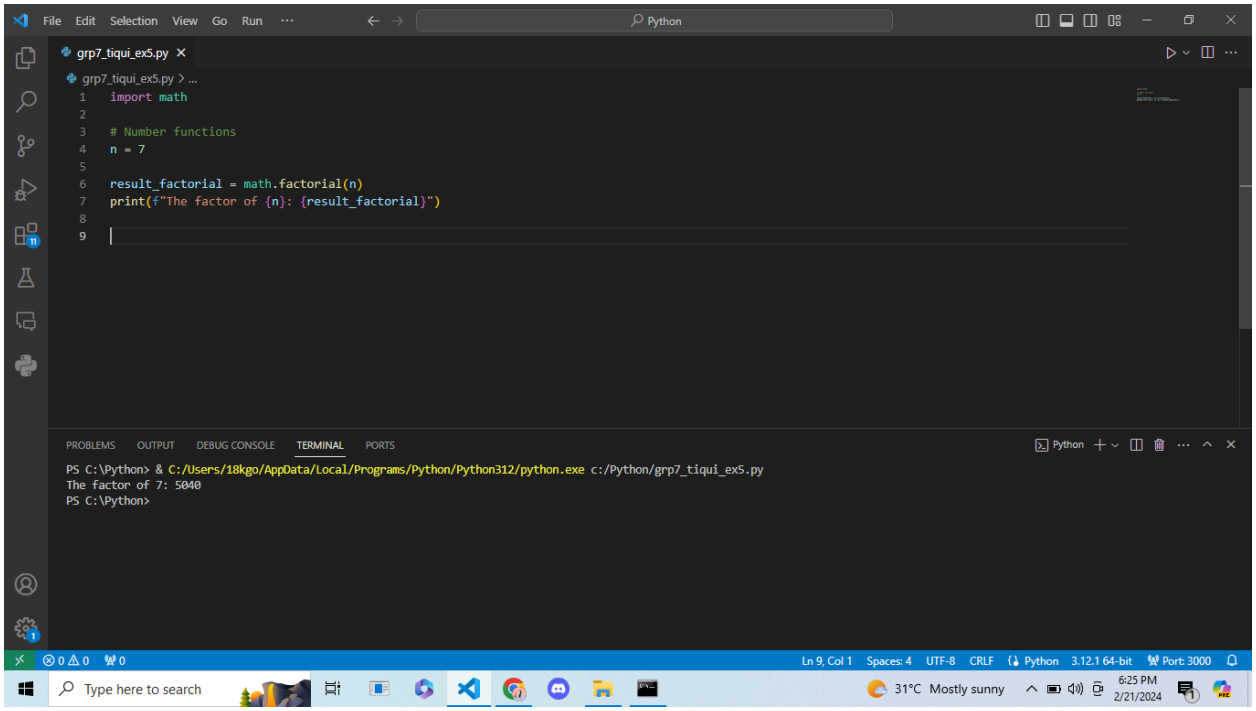

File Edit Selection View Go Run
Python
grp7_tiqui_ex5.py
import math
# Trigonometric functions
angle_deg = 50
angle_rad = math.radians(angle_deg)
sin_result = math.sin(angle_rad)
print(f"The sin of {angle_deg} degrees is: {sin_result}")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex5.py
The sin of 50 degrees is: 0.766044443118978
PS C:\Python>
Ln 11, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.1 64-bit Port: 3000
Type here to search
31°C Mostly sunny
6:27 PM
2/21/2024


File Edit Selection View Go Run
Python
grp7_tiqui_ex5.py
import math
# Number functions
n = 7
result_factorial = math.factorial(n)
print(f"The factor of {n}: {result_factorial}")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex5.py
The factor of 7: 5040
PS C:\Python>
Ln 9, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.1 64-bit Port: 3000
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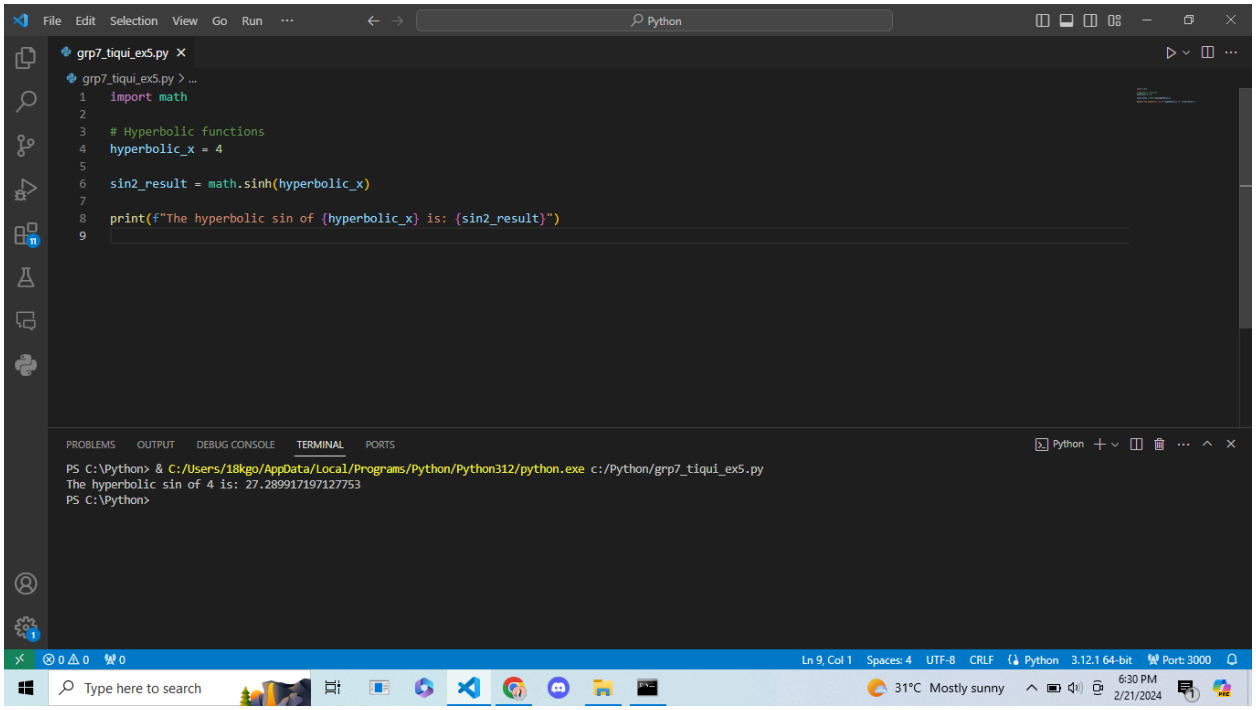
31°C Mostly sunny
6:25 PM
2/21/2024


File Edit Selection View Go Run
Python
grp7_tiqui_ex5.py
grp7_tiqui_ex5.py > ...
1 import math
2
3 # Hyperbolic functions
4 hyperbolic_x = 4
5
6 sin2_result = math.sinh(hyperbolic_x)
7
8 print(f"The hyperbolic sin of {hyperbolic_x} is: {sin2_result}")
9
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python
PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex5.py
The hyperbolic sin of 4 is: 27.289917197127753
PS C:\Python>
Ln 9, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.1 64-bit Port: 3000
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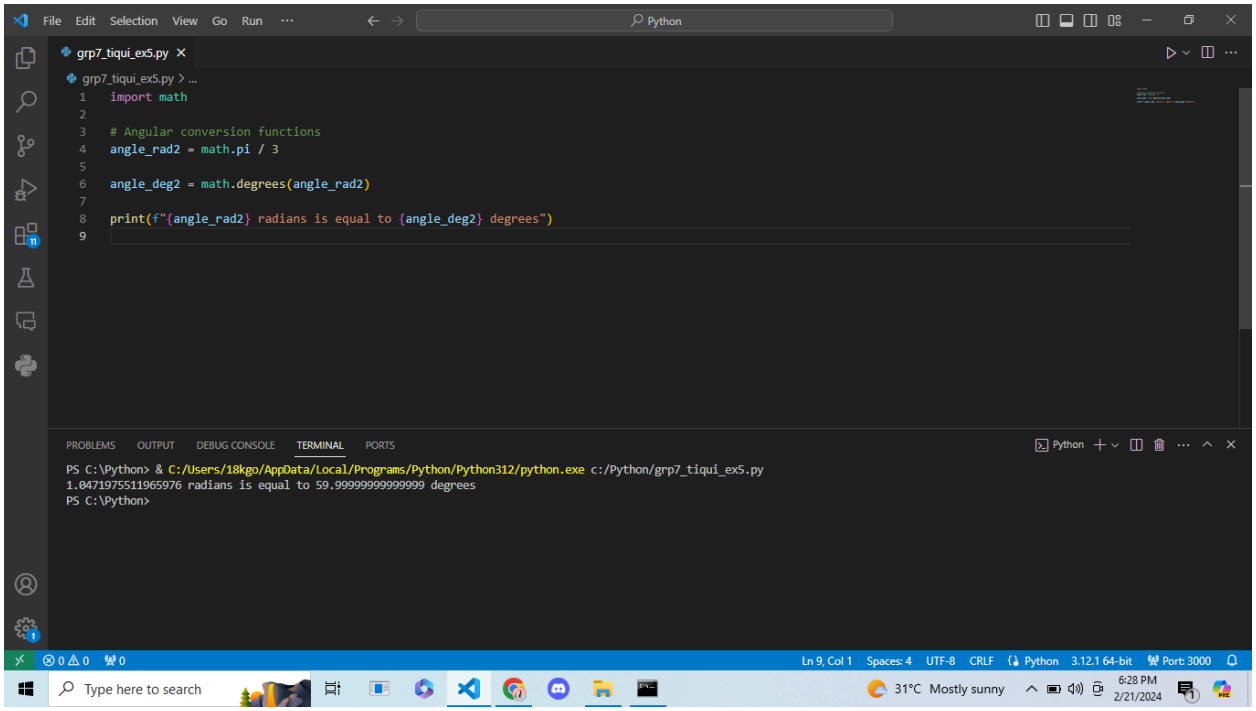
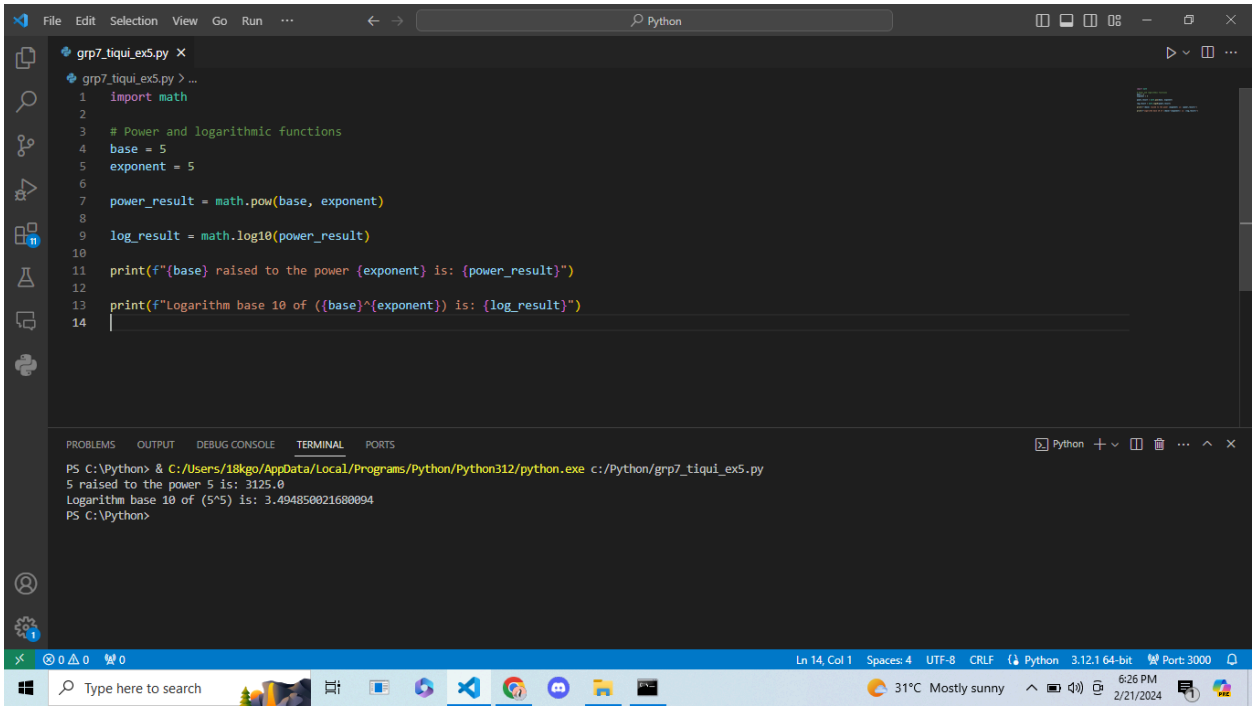
31°C Mostly sunny
6:30 PM
2/21/2024


File Edit Selection View Go Run
Python
grp7_tiqui_ex5.py
grp7_tiqui_ex5.py > ...
1 import math
2
3 # Angular conversion functions
4 angle_rad2 = math.pi / 3
5
6 angle_deg2 = math.degrees(angle_rad2)
7
8 print(f"{angle_rad2} radians is equal to {angle_deg2} degrees")
9
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python
PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex5.py
1.0471975511965976 radians is equal to 59.99999999999999 degrees
PS C:\Python>
Ln 9, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.1 64-bit Port: 3000
Type here to search
31°C Mostly sunny
6:28 PM
2/21/2024


File Edit Selection View Go Run
Python
grp7_tiqui_ex5.py
import math
# Power and logarithmic functions
base = 5
exponent = 5
power_result = math.pow(base, exponent)
log_result = math.log10(power_result)
print(f"{base} raised to the power {exponent} is: {power_result}")
print(f"Logarithm base 10 of ({base}^{exponent}) is: {log_result}")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex5.py
5 raised to the power 5 is: 3125.0
Logarithm base 10 of (5^5) is: 3.494850021680094
PS C:\Python>
Ln 14, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.1 64-bit Port: 3000
Type here to search
31°C Mostly sunny
6:26 PM
2/21/2024