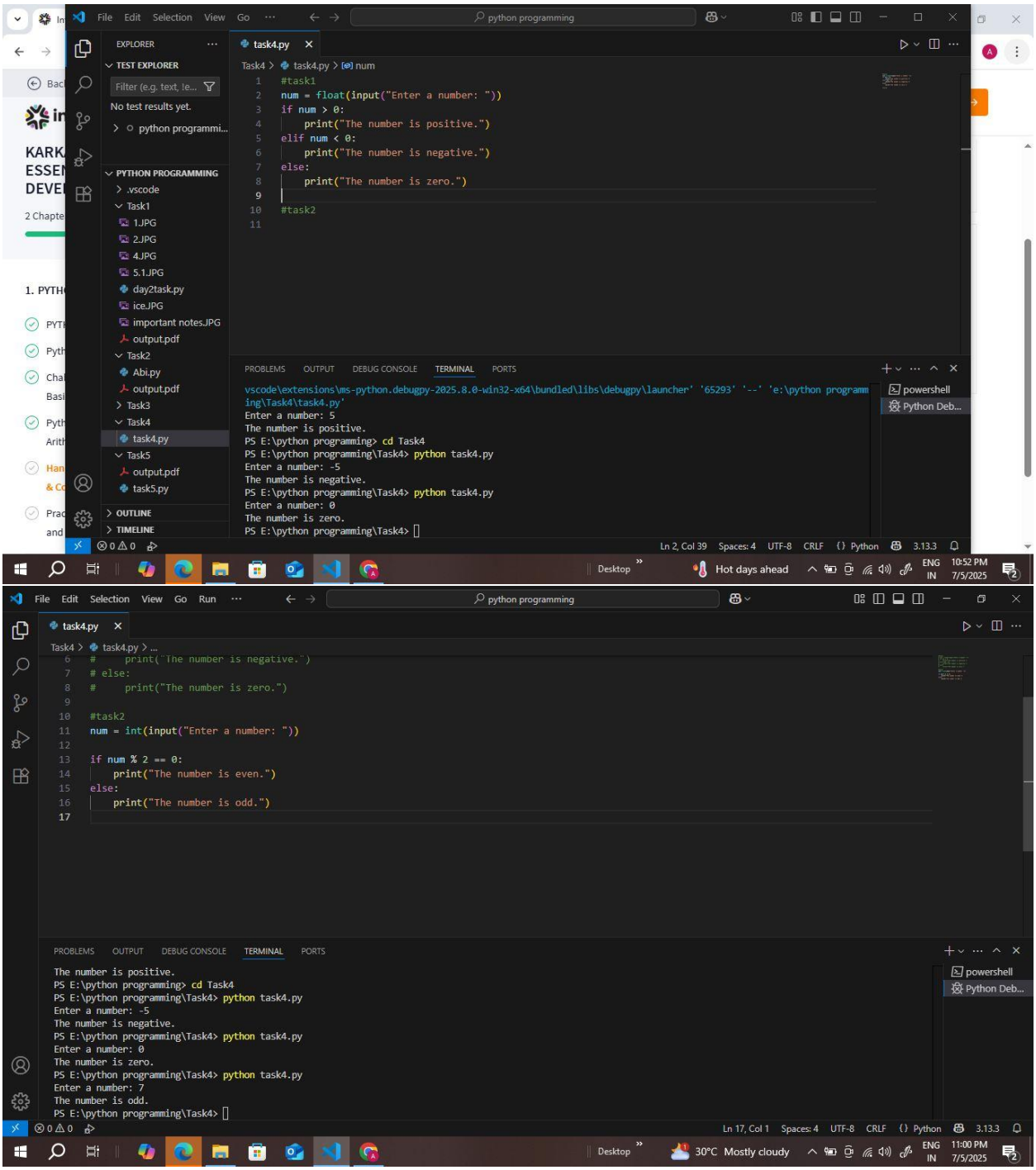
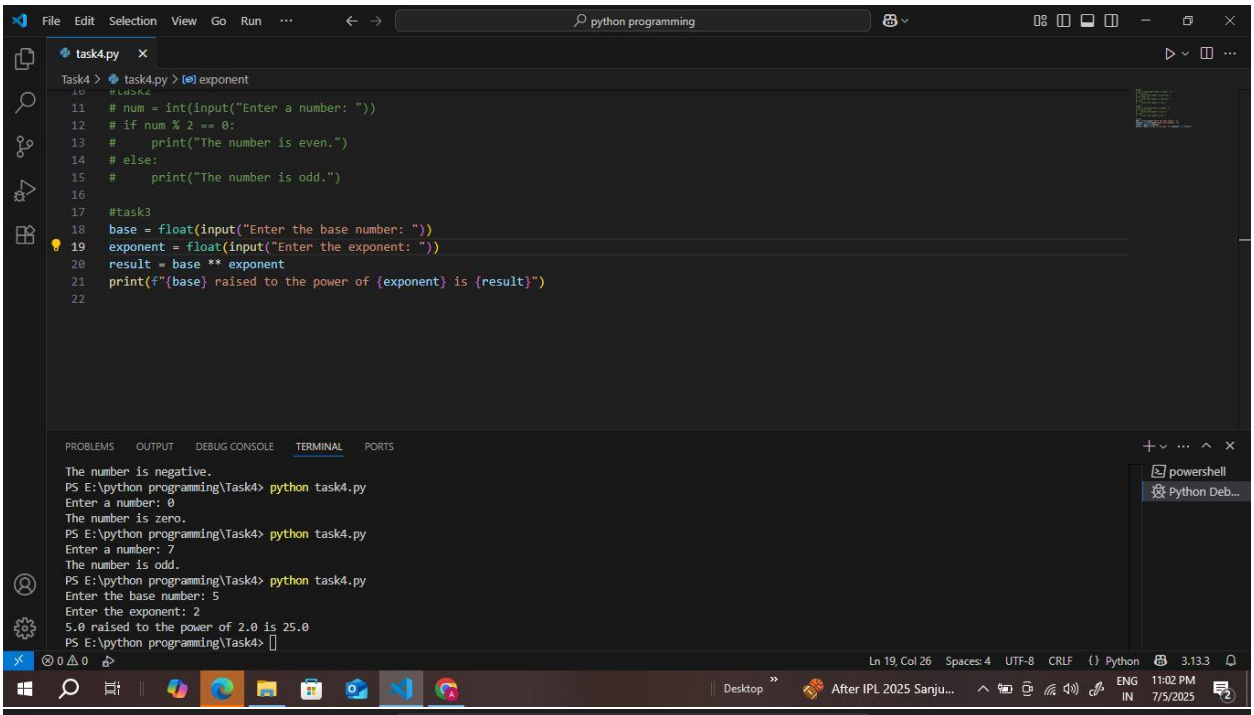
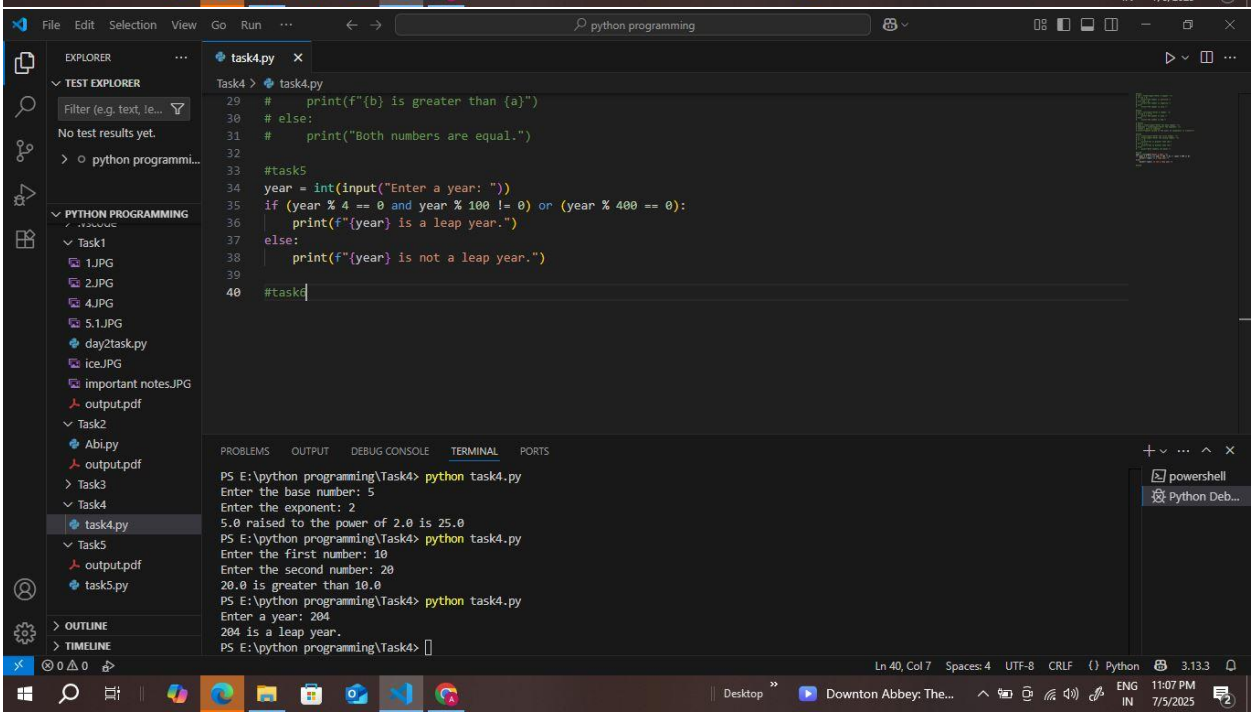
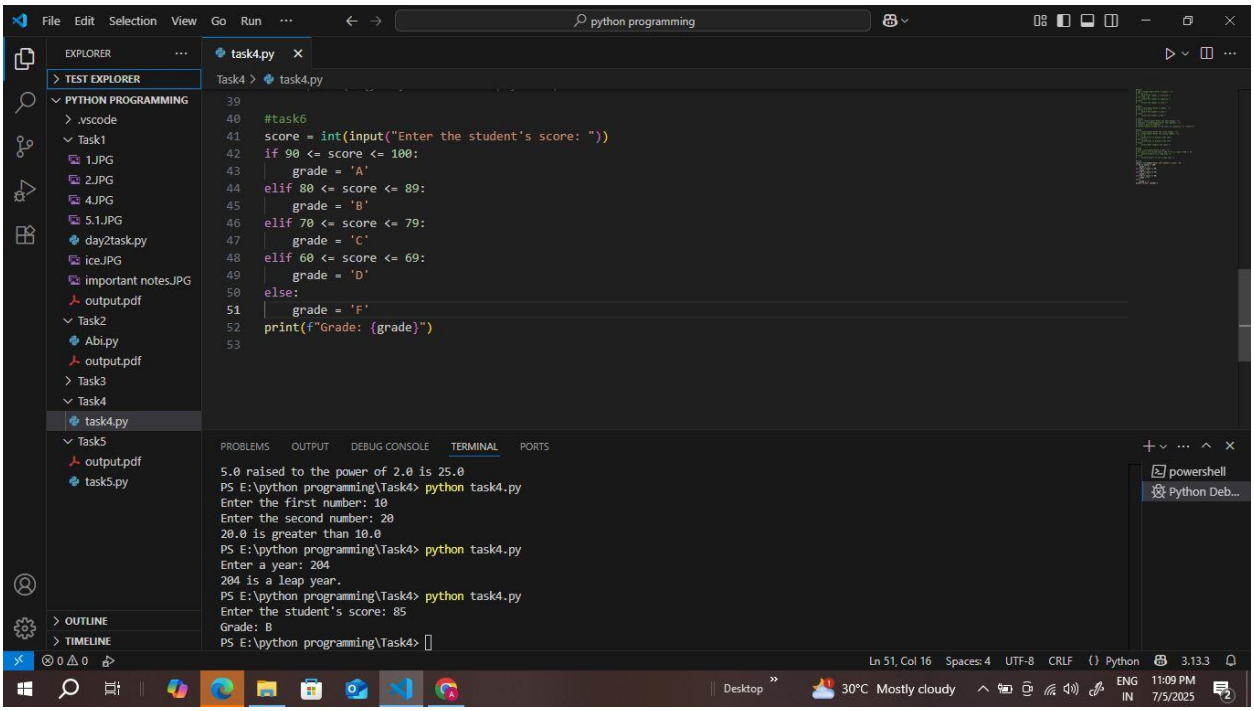
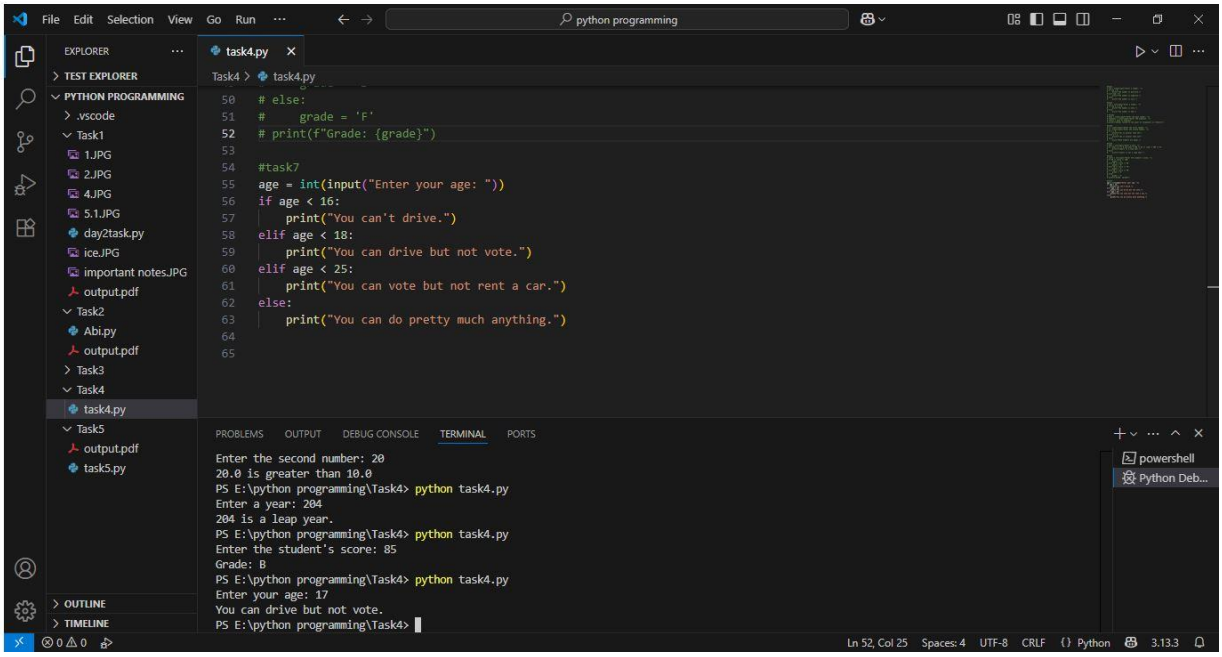
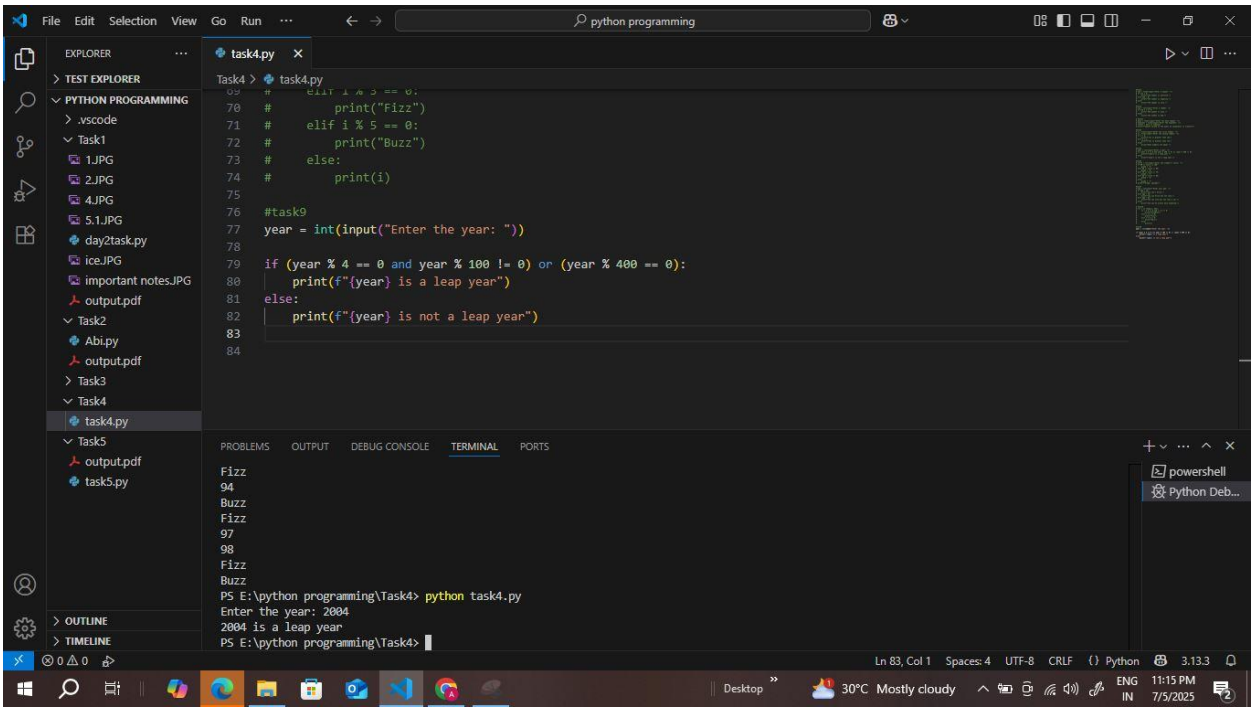

File Edit Selection View Go
python programming
EXPLORER
TEST EXPLORER
No test results yet.
PYTHON PROGRAMMING
.vscode
Task1
1.JPG
2.JPG
4.JPG
5.1.JPG
day2task.py
ice.JPG
important notes.JPG
output.pdf
Task2
Abi.py
output.pdf
Task3
Task4
task4.py
Task5
output.pdf
task5.py
OUTLINE
TIMELINE
task4.py
Task4 > task4.py > num
#task1
num = float(input("Enter a number: "))
if num > 0:
print("The number is positive.")
elif num < 0:
print("The number is negative.")
else:
print("The number is zero.")
#task2
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
vscode\extensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '65293' '--' 'e:\python programming\Task4\task4.py'
Enter a number: 5
The number is positive.
PS E:\python programming> cd Task4
PS E:\python programming\Task4> python task4.py
Enter a number: -5
The number is negative.
PS E:\python programming\Task4> python task4.py
Enter a number: 0
The number is zero.
PS E:\python programming\Task4>
powershell
Python Deb...
Ln 2, Col 39 Spaces: 4 UTF-8 CRLF Python 3.13.3
Desktop
Hot days ahead
ENG IN
10:52 PM 7/5/2025
File Edit Selection View Go Run
python programming
task4.py
Task4 > task4.py > ...
print("The number is negative.")
else:
print("The number is zero.")
#task2
num = int(input("Enter a number: "))
if num % 2 == 0:
print("The number is even.")
else:
print("The number is odd.")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
The number is positive.
PS E:\python programming> cd Task4
PS E:\python programming\Task4> python task4.py
Enter a number: -5
The number is negative.
PS E:\python programming\Task4> python task4.py
Enter a number: 0
The number is zero.
PS E:\python programming\Task4> python task4.py
Enter a number: 7
The number is odd.
PS E:\python programming\Task4>
powershell
Python Deb...
Ln 17, Col 1 Spaces: 4 UTF-8 CRLF Python 3.13.3
Desktop
30°C Mostly cloudy
ENG IN
11:00 PM 7/5/2025


File Edit Selection View Go Run
python programming
task4.py
Task4 > task4.py > exponent
num = int(input("Enter a number: "))
if num % 2 == 0:
print("The number is even.")
else:
print("The number is odd.")
#task3
base = float(input("Enter the base number: "))
exponent = float(input("Enter the exponent: "))
result = base ** exponent
print(f"{base} raised to the power of {exponent} is {result}")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
The number is negative.
PS E:\python programming\Task4> python task4.py
Enter a number: 0
The number is zero.
PS E:\python programming\Task4> python task4.py
Enter a number: 7
The number is odd.
PS E:\python programming\Task4> python task4.py
Enter the base number: 5
Enter the exponent: 2
5.0 raised to the power of 2.0 is 25.0
PS E:\python programming\Task4>
powershell
Python Deb...
Ln 19, Col 26 Spaces: 4 UTF-8 CRLF Python 3.13.3
Desktop
After IPL 2025 Sanju...
ENG IN
11:02 PM 7/5/2025


File Edit Selection View Go Run
python programming
EXPLORER
TEST EXPLORER
Filter (e.g. text, le...
No test results yet.
python programmi...
PYTHON PROGRAMMING
Task1
1.JPG
2.JPG
4.JPG
5.1.JPG
day2task.py
ice.JPG
important notes.JPG
output.pdf
Task2
Abi.py
output.pdf
Task3
Task4
task4.py
Task5
output.pdf
task5.py
OUTLINE
TIMELINE
task4.py
Task4 > task4.py
print(f"{b} is greater than {a}")
else:
print("Both numbers are equal.")
#task5
year = int(input("Enter a year: "))
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
    print(f"{year} is a leap year.")
else:
    print(f"{year} is not a leap year.")
#task6
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS E:\python programming\Task4> python task4.py
Enter the base number: 5
Enter the exponent: 2
5.0 raised to the power of 2.0 is 25.0
PS E:\python programming\Task4> python task4.py
Enter the first number: 10
Enter the second number: 20
20.0 is greater than 10.0
PS E:\python programming\Task4> python task4.py
Enter a year: 204
204 is a leap year.
PS E:\python programming\Task4>
powershell
Python Deb...
Ln 40, Col 7 Spaces: 4 UTF-8 CRLF Python 3.13.3
Desktop
Downton Abbey: The...
ENG IN
11:07 PM 7/5/2025


File Edit Selection View Go Run
python programming
EXPLORER
task4.py
Task4 > task4.py
TEST EXPLORER
PYTHON PROGRAMMING
.vscode
Task1
1.JPG
2.JPG
4.JPG
5.1.JPG
day2task.py
ice.JPG
important notes.JPG
output.pdf
Task2
Abi.py
output.pdf
Task3
Task4
task4.py
Task5
output.pdf
task5.py
OUTLINE
TIMELINE
39
40 #task6
41 score = int(input("Enter the student's score: "))
42 if 90 <= score <= 100:
43 grade = 'A'
44 elif 80 <= score <= 89:
45 grade = 'B'
46 elif 70 <= score <= 79:
47 grade = 'C'
48 elif 60 <= score <= 69:
49 grade = 'D'
50 else:
51 grade = 'F'
52 print(f"Grade: {grade}")
53
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
5.0 raised to the power of 2.0 is 25.0
PS E:\python programming\Task4> python task4.py
Enter the first number: 10
Enter the second number: 20
20.0 is greater than 10.0
PS E:\python programming\Task4> python task4.py
Enter a year: 204
204 is a leap year.
PS E:\python programming\Task4> python task4.py
Enter the student's score: 85
Grade: B
PS E:\python programming\Task4>
powershell
Python Deb...
Ln 51, Col 16 Spaces: 4 UTF-8 CRLF {} Python 3.13.3
Desktop
30°C Mostly cloudy
ENG IN
11:09 PM 7/5/2025


File Edit Selection View Go Run
python programming
EXPLORER
task4.py
Task4 > task4.py
TEST EXPLORER
PYTHON PROGRAMMING
.vscode
Task1
1.JPG
2.JPG
4.JPG
5.1.JPG
day2task.py
ice.JPG
important notes.JPG
output.pdf
Task2
Abi.py
output.pdf
Task3
Task4
task4.py
Task5
output.pdf
task5.py
OUTLINE
TIMELINE
50 # else:
51 # grade = 'F'
52 # print(f"Grade: {grade}")
53
54 #task7
55 age = int(input("Enter your age: "))
56 if age < 16:
57 print("You can't drive.")
58 elif age < 18:
59 print("You can drive but not vote.")
60 elif age < 25:
61 print("You can vote but not rent a car.")
62 else:
63 print("You can do pretty much anything.")
64
65
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Enter the second number: 20
20.0 is greater than 10.0
PS E:\python programming\Task4> python task4.py
Enter a year: 204
204 is a leap year.
PS E:\python programming\Task4> python task4.py
Enter the student's score: 85
Grade: B
PS E:\python programming\Task4> python task4.py
Enter your age: 17
You can drive but not vote.
PS E:\python programming\Task4>
powershell
Python Deb...
Ln 52, Col 25 Spaces: 4 UTF-8 CRLF {} Python 3.13.3


File Edit Selection View Go Run
python programming
EXPLORER
task4.py
Task4 > task4.py
TEST EXPLORER
PYTHON PROGRAMMING
.vscode
Task1
1.JPG
2.JPG
4.JPG
5.1.JPG
day2task.py
ice.JPG
important notes.JPG
output.pdf
Task2
Abi.py
output.pdf
Task3
Task4
task4.py
Task5
output.pdf
task5.py
OUTLINE
TIMELINE
#task9
year = int(input("Enter the year: "))
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
print(f"{year} is a leap year")
else:
print(f"{year} is not a leap year")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
Python Deb...
Fizz
94
Buzz
Fizz
97
98
Fizz
Buzz
PS E:\python programming\Task4> python task4.py
Enter the year: 2004
2004 is a leap year
PS E:\python programming\Task4>
Ln 83, Col 1 Spaces: 4 UTF-8 CRLF Python 3.13.3
Desktop
30°C Mostly cloudy
ENG IN
11:15 PM 7/5/2025