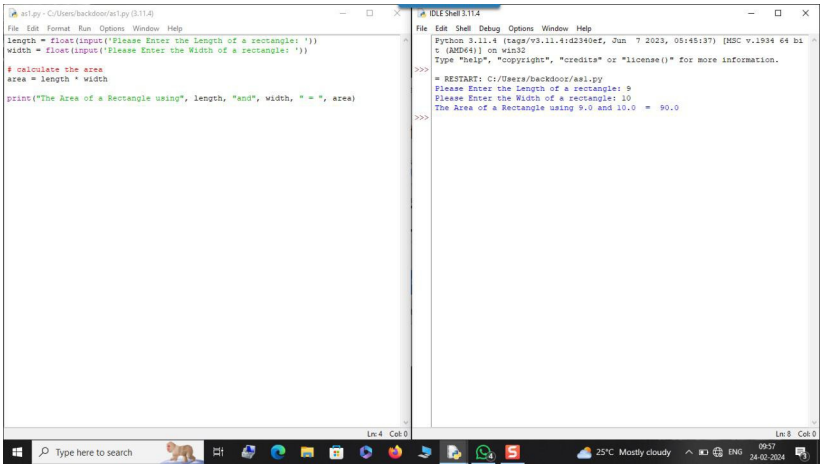
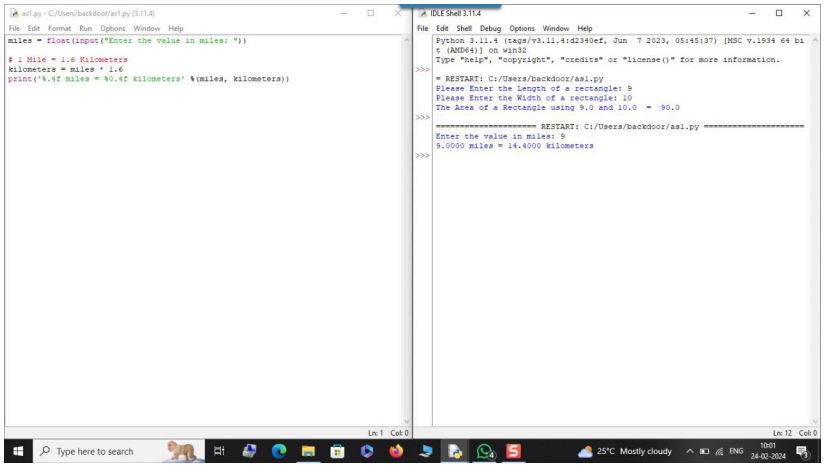
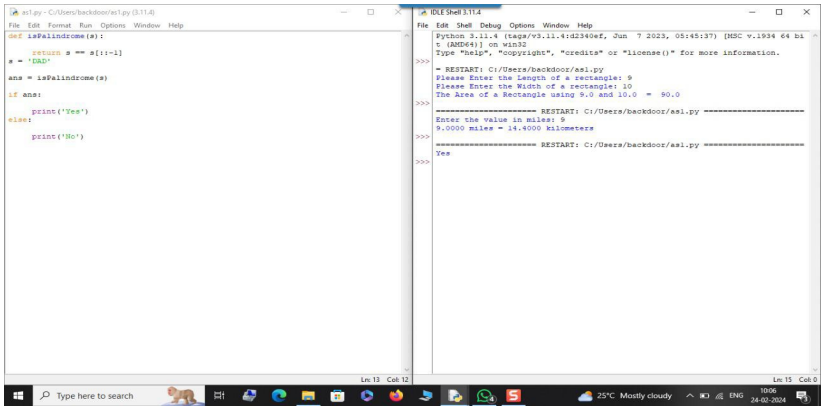
**1. Write a Python program to calculate the area of a rectangle given its length and width?**
**Ans:**



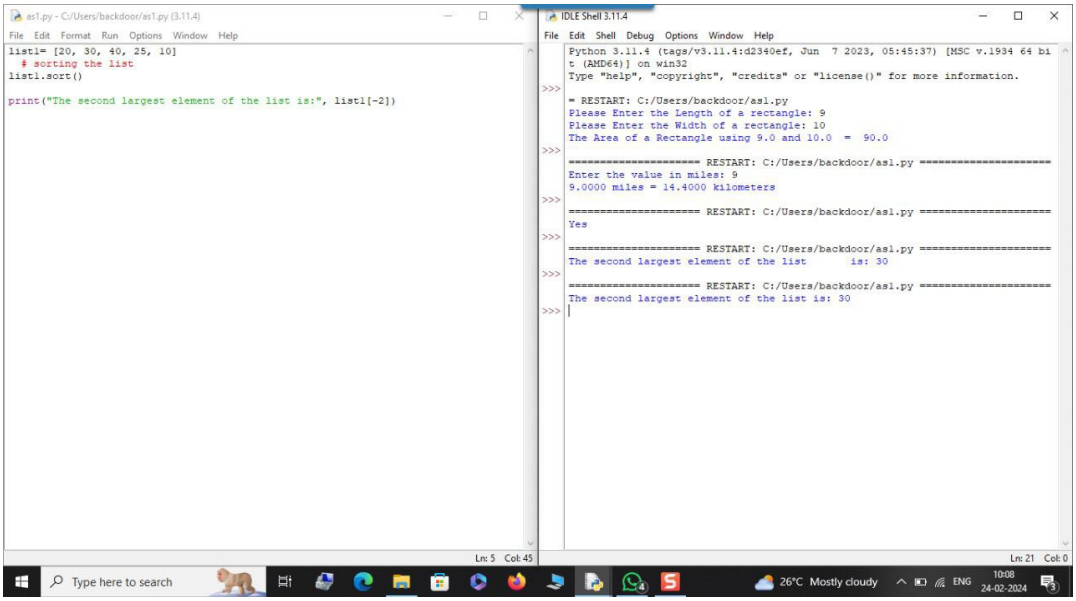

**2. Write a program to convert miles to kilometers?**
**Ans:**




**3. Write a function to check if a given string is a palindrome?**
**Ans:**



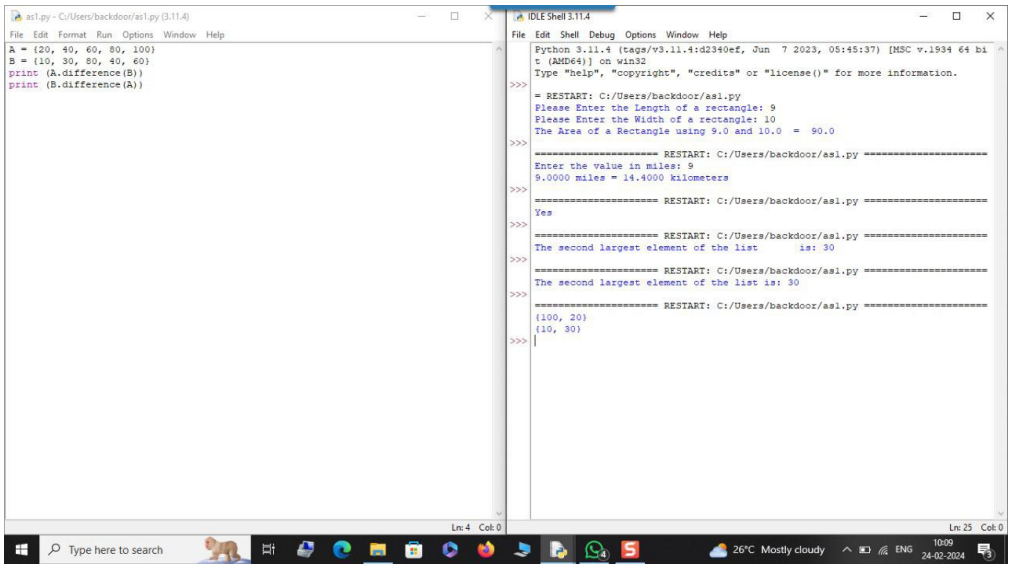
**4. Write a Python program to find the second largest element in a list**
**Ans:**



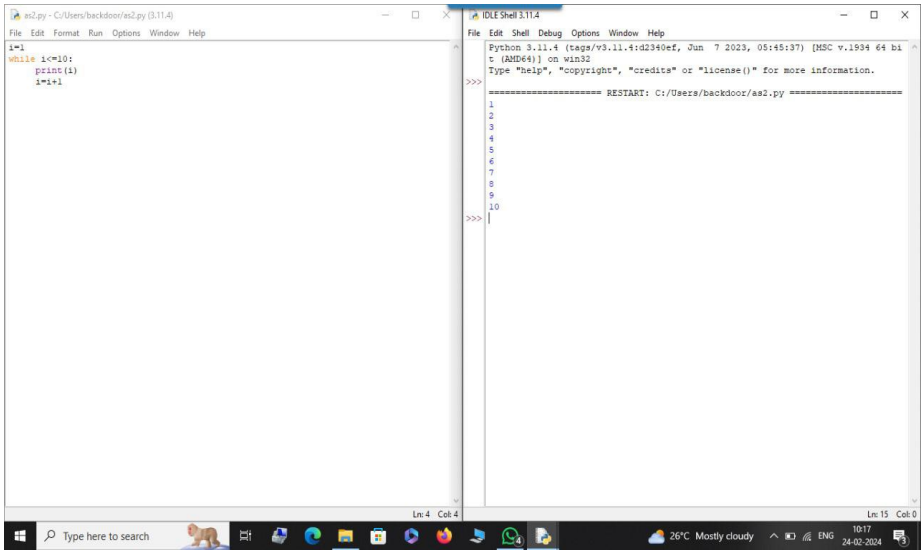

**5. Explain what indentation means in Python?**
**Ans:**

Indentation refers to the spacing at the beginning of a line of code that determines its grouping and hierarchy within the program's structure. Unlike many programming languages that use braces ({}) or other explicit symbols to denote code blocks, Python uses indentation to signify the beginning and end of blocks of code.
When writing Python code, we have to define a group of statements for functions and loops. This is done by properly indenting the statements for that block.

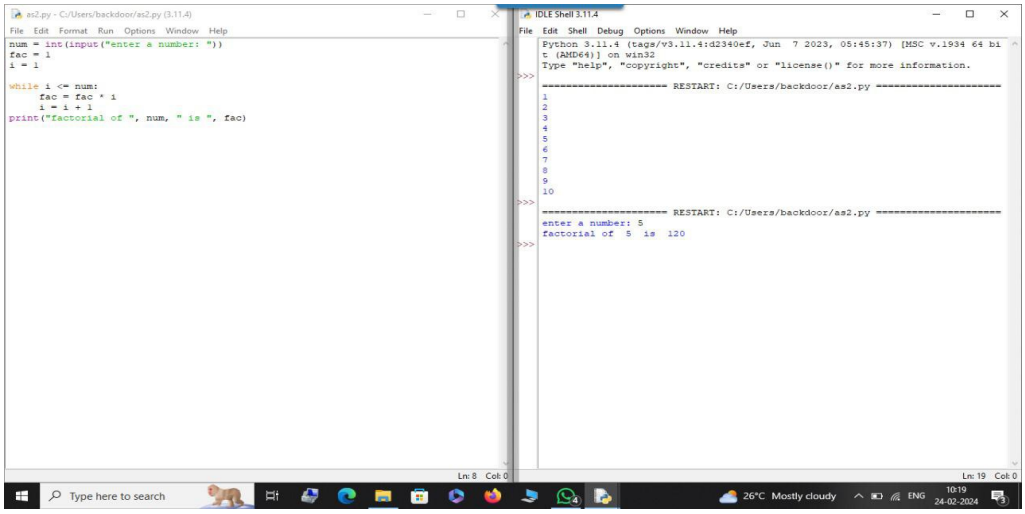
**6. Write a program to perform set difference operation?**
**Ans:**



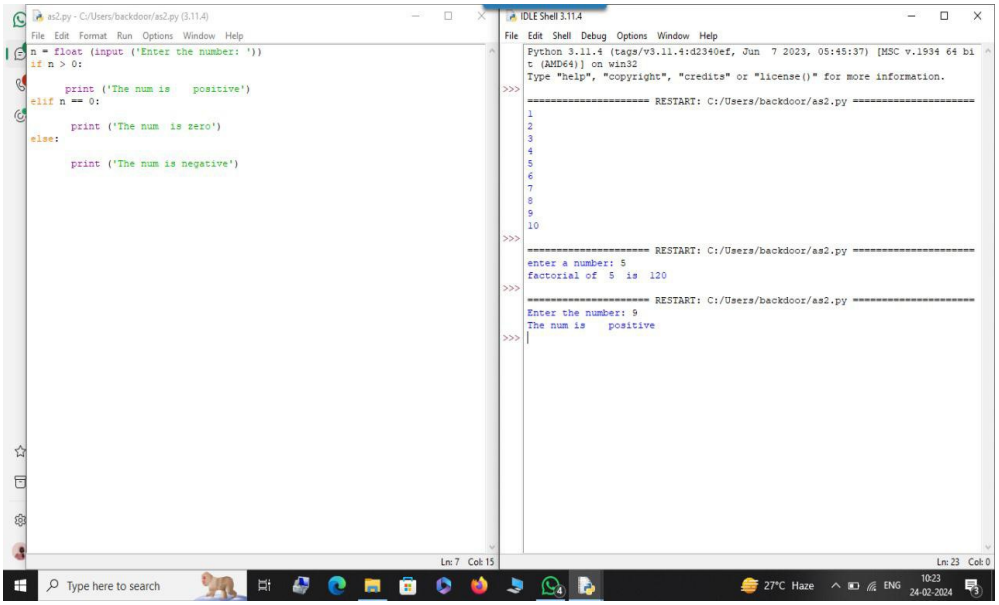

**7. Write a Python program to print numbers from 1 to 10 using a while loop?**
**Ans:**



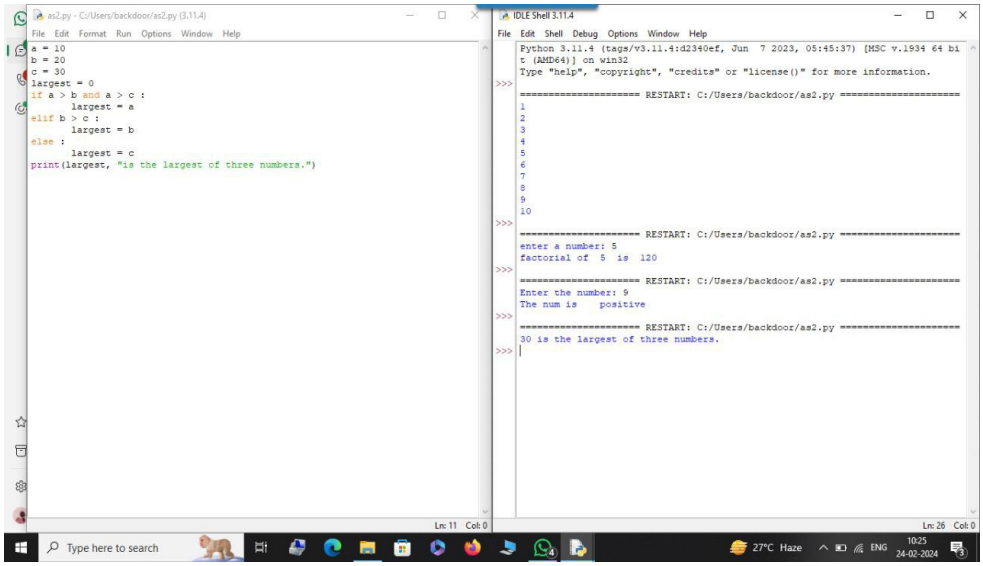
**8. Write a program to calculate the factorial of a number using a while loop.**
**Ans:**



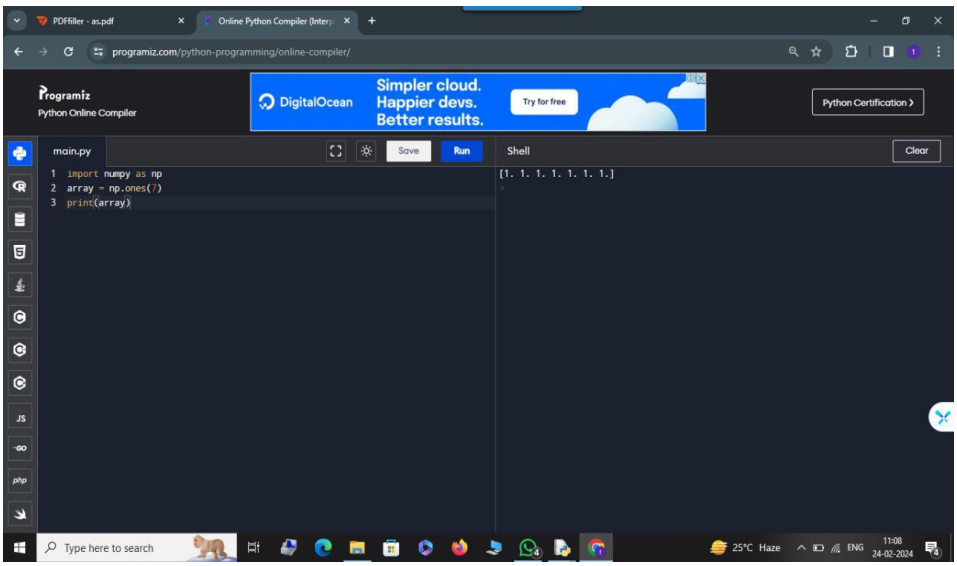

**9. Write a Python program to check if a number is positive, negative, or zero using if-elif-else**
**statements.**
**Ans:**



**10. Write a program to determine the largest among three numbers using conditional statements.**
**Ans**




**11. Write a Python program to create a numpy array filled with ones of given shape.**
**Ans:**



**12. Write a program to create a 2D numpy array initialized with random integers.**
**Ans:**