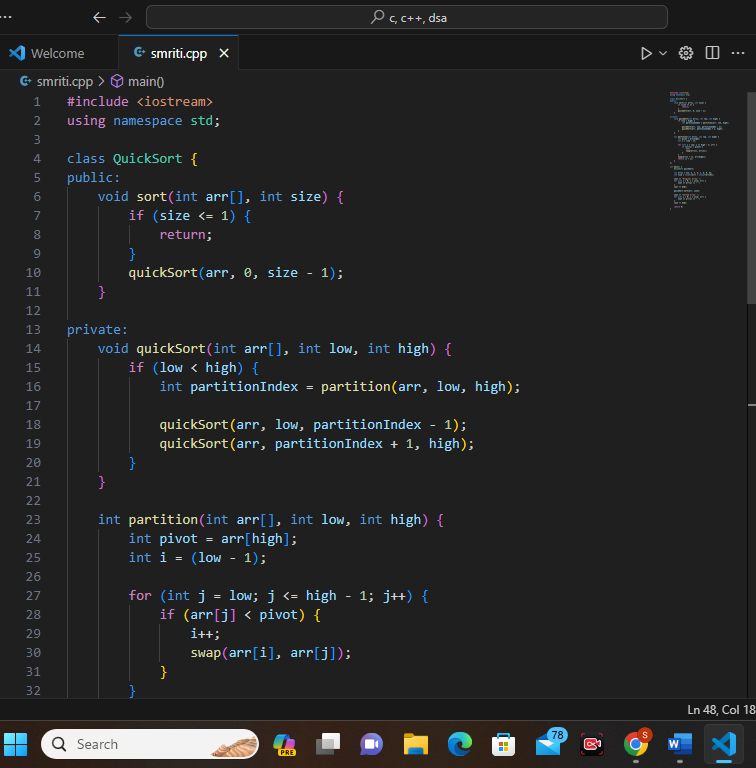
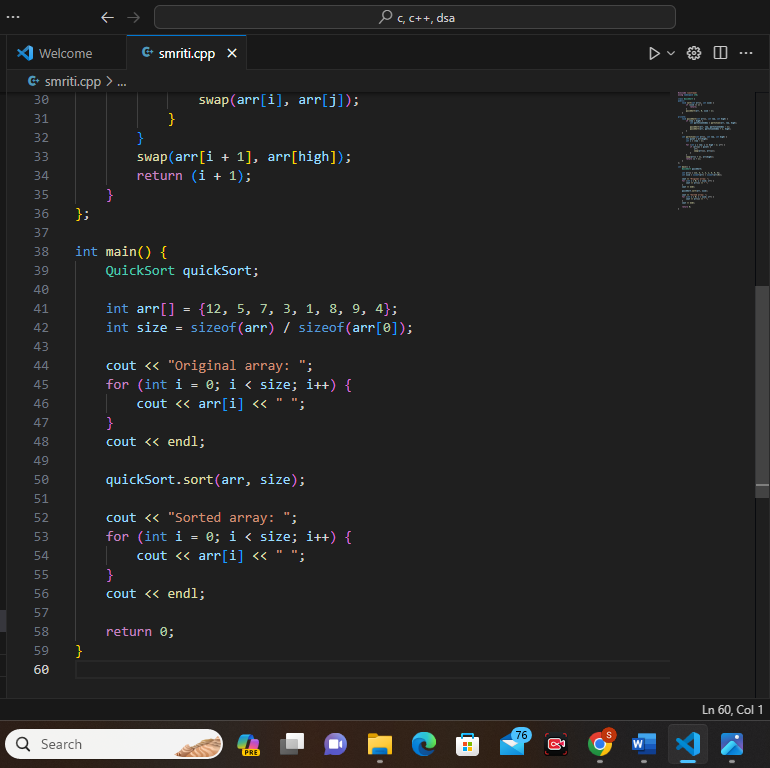
**DS using CPP**

**Practical assignment for FAT – 2**

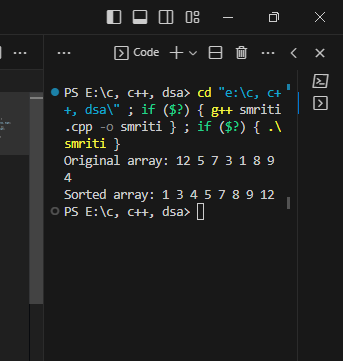
**Qno. 1** Write a c++ program to implement quick sort

Using class and function.



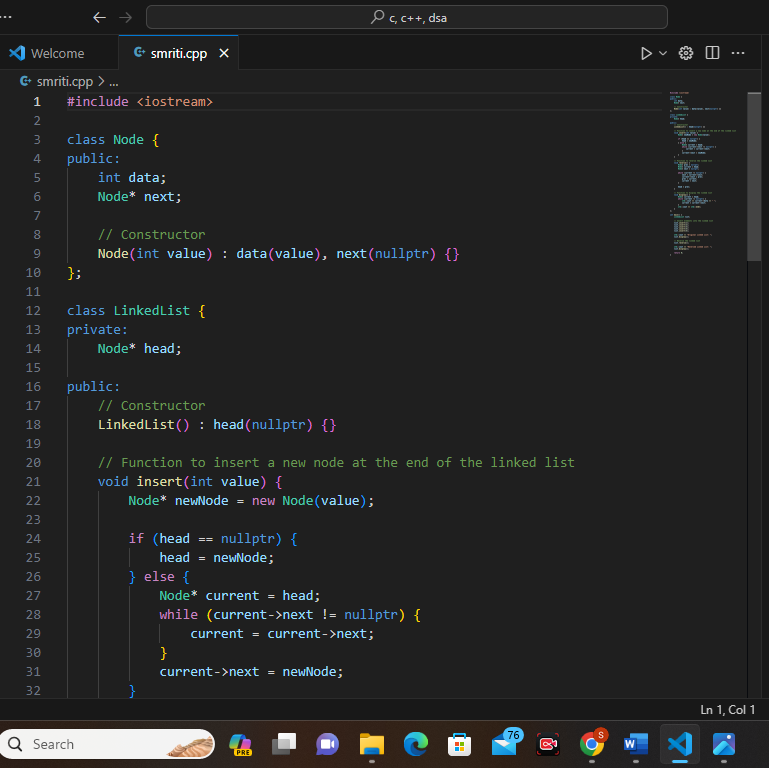


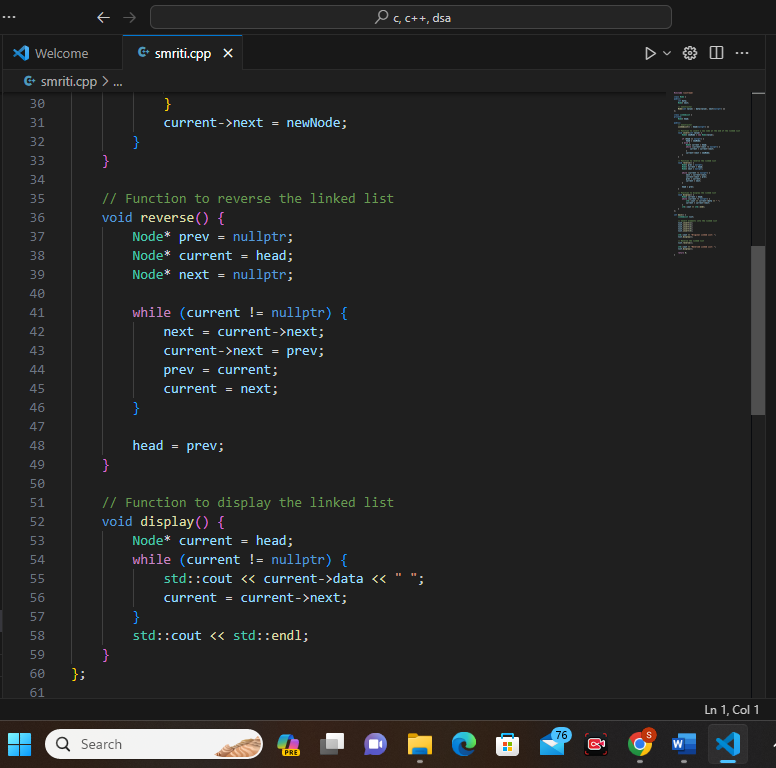
**OUTPUT:**



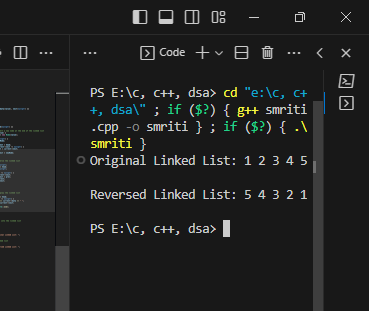
**Qno.2** Write a c++ program to reverse singly linked list

Using class implementation.

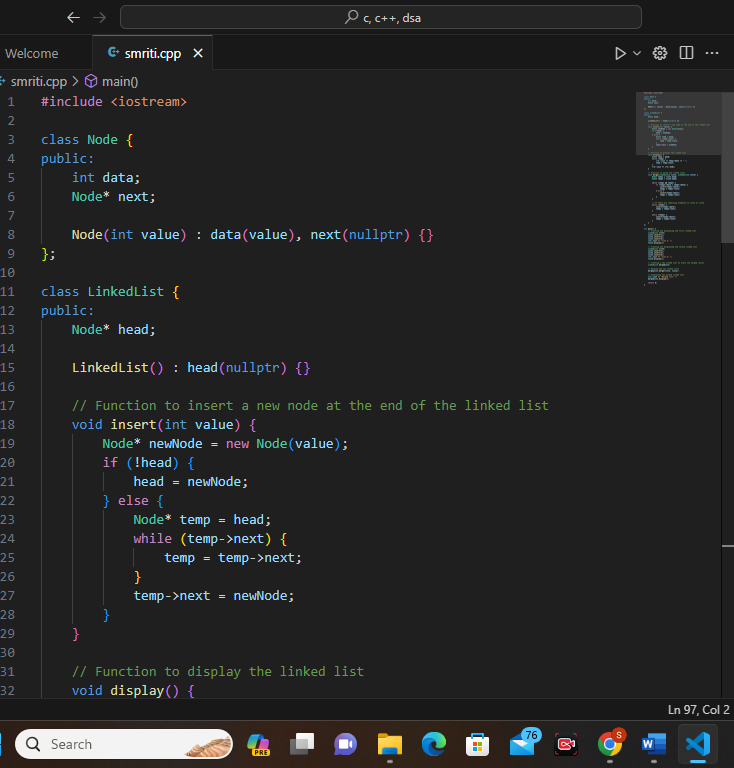


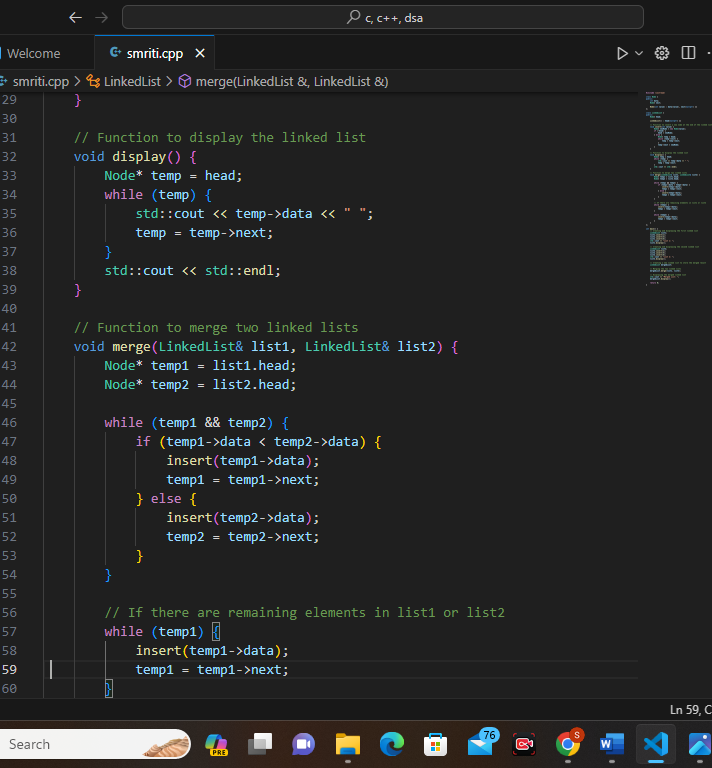


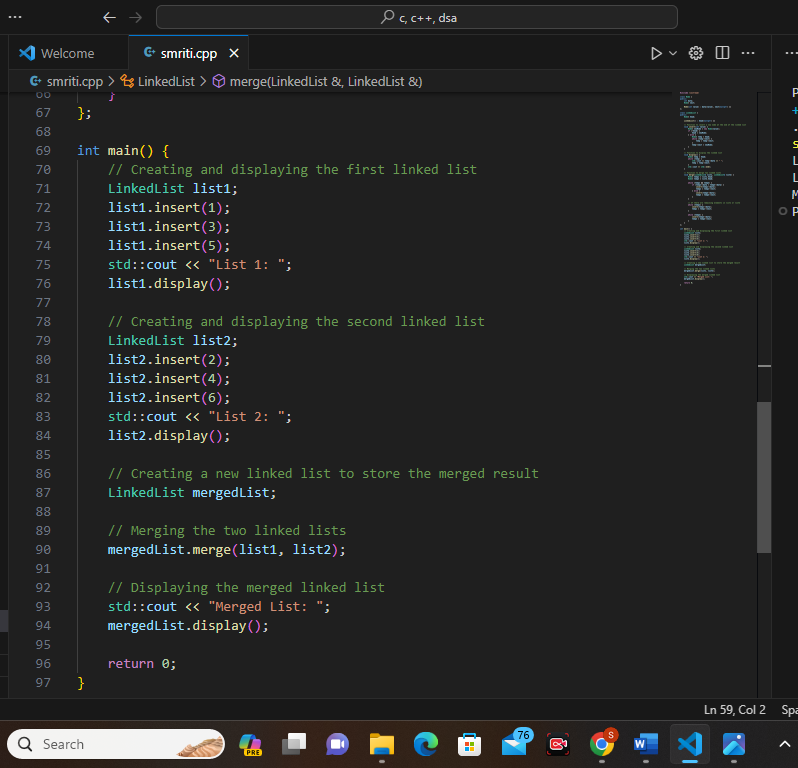
**OUTPUT:**



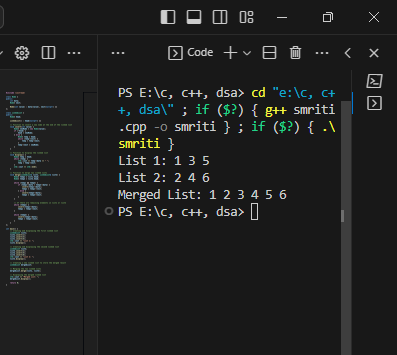
**Qno.3** Write a c++ program using class to merge to merge two linked list.



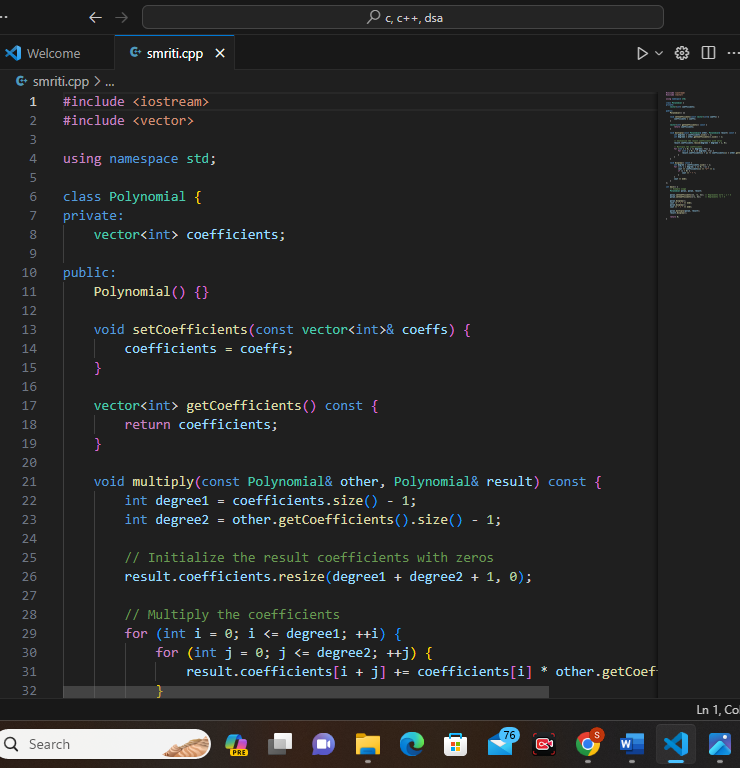


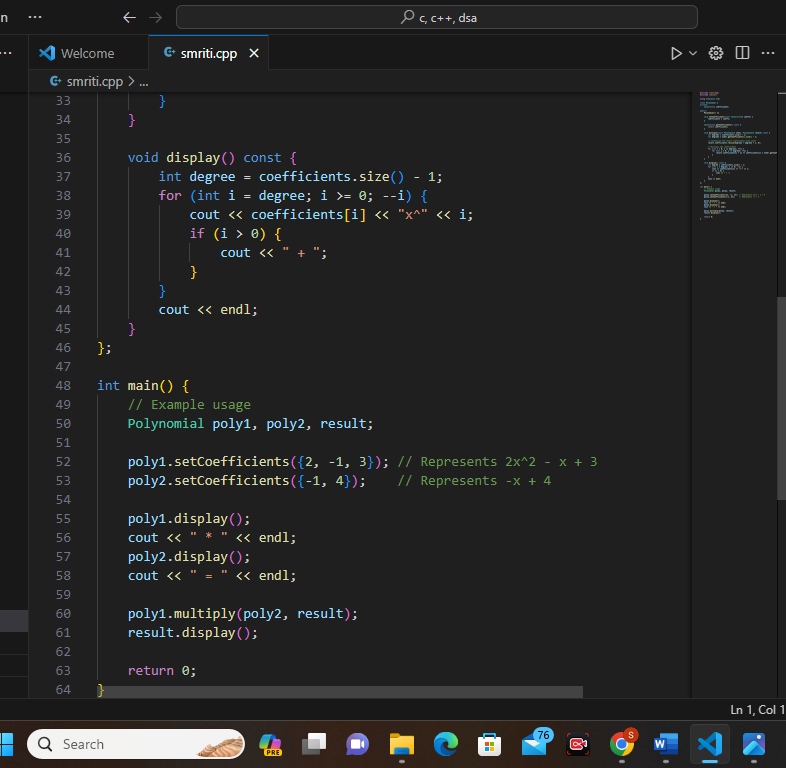


**OUTPUT:**

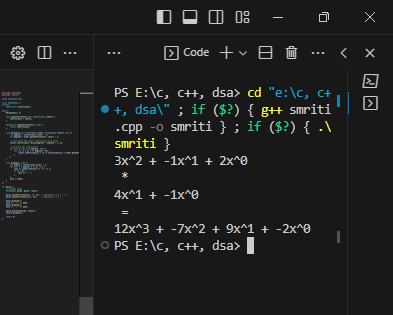


**Qno.4**  Write a c++ program using class to multiply two polynomials.

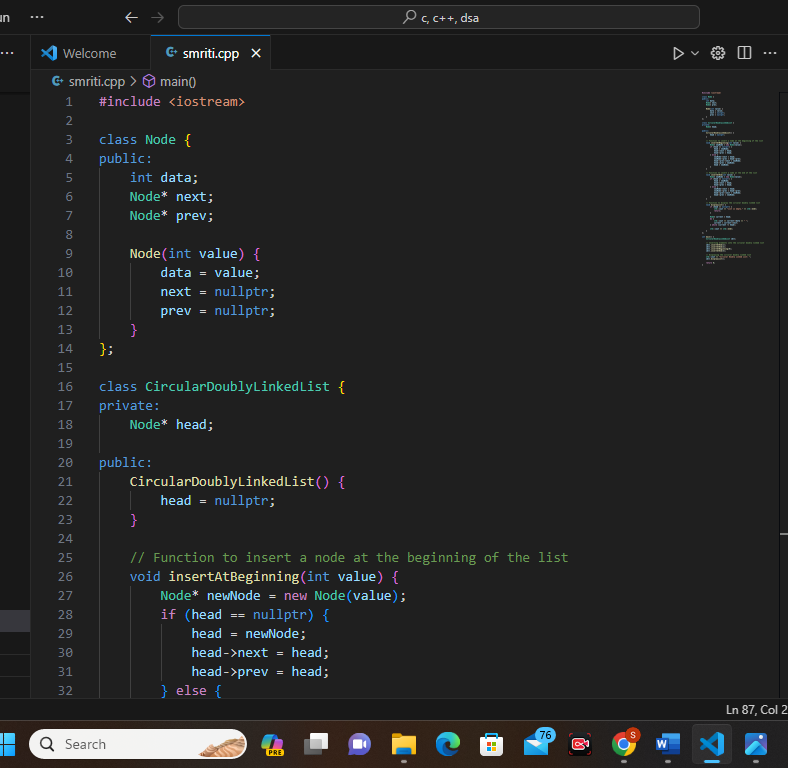


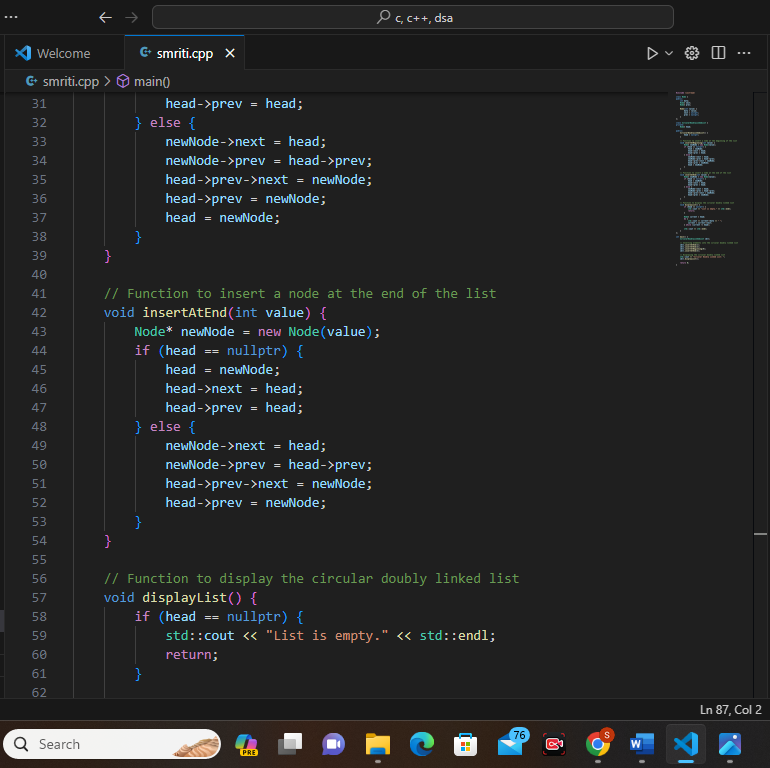


**OUTPUT:**

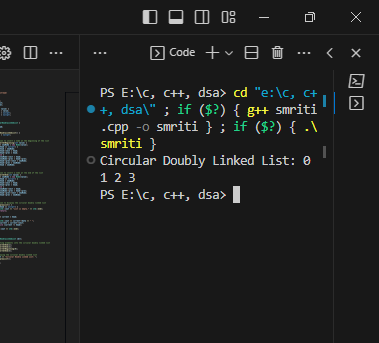
****

**Qno.5**  Write a c++ program using class to implement circular doubly linked list.

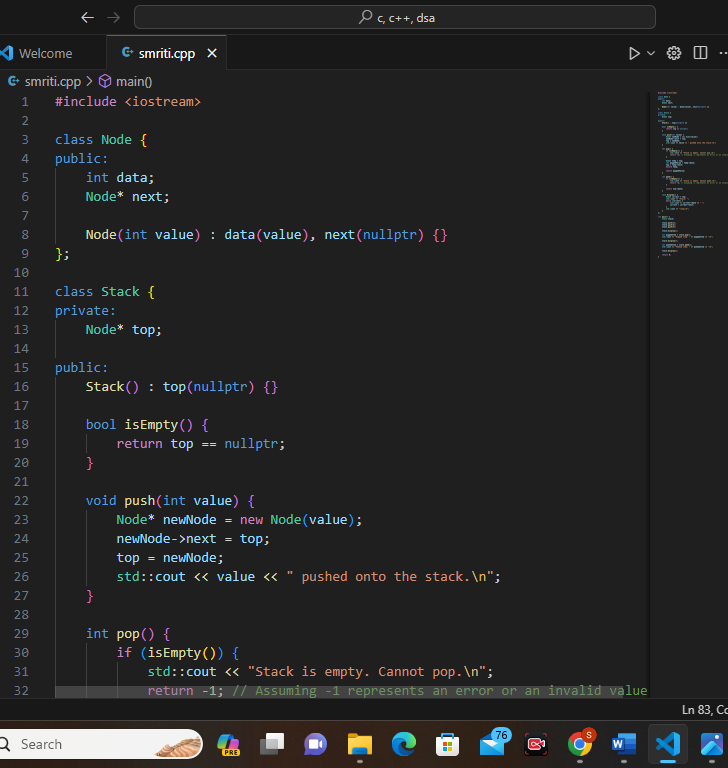


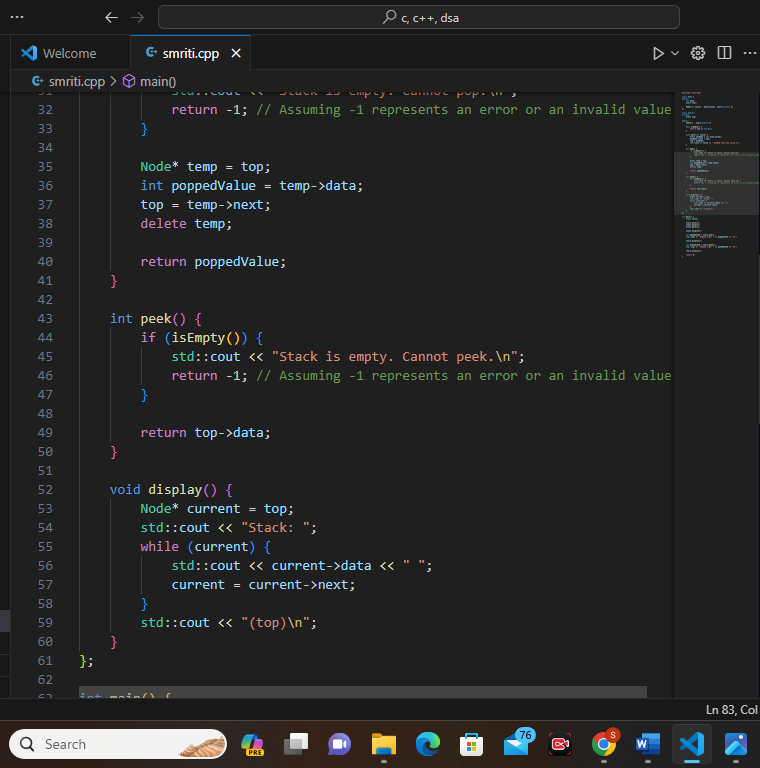


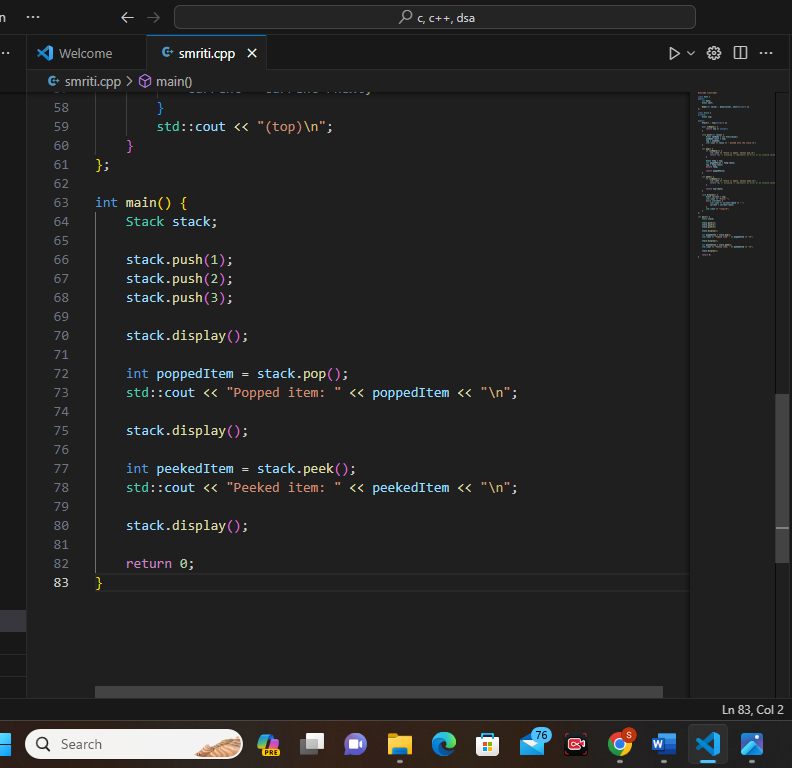
**OUTPUT:**

****

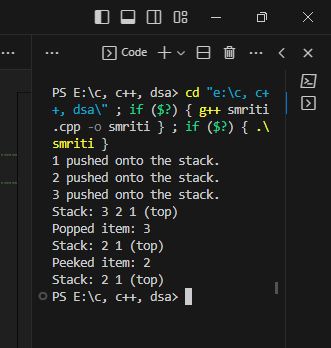
**Qno.6**  Write a program to implement stack using linked list.



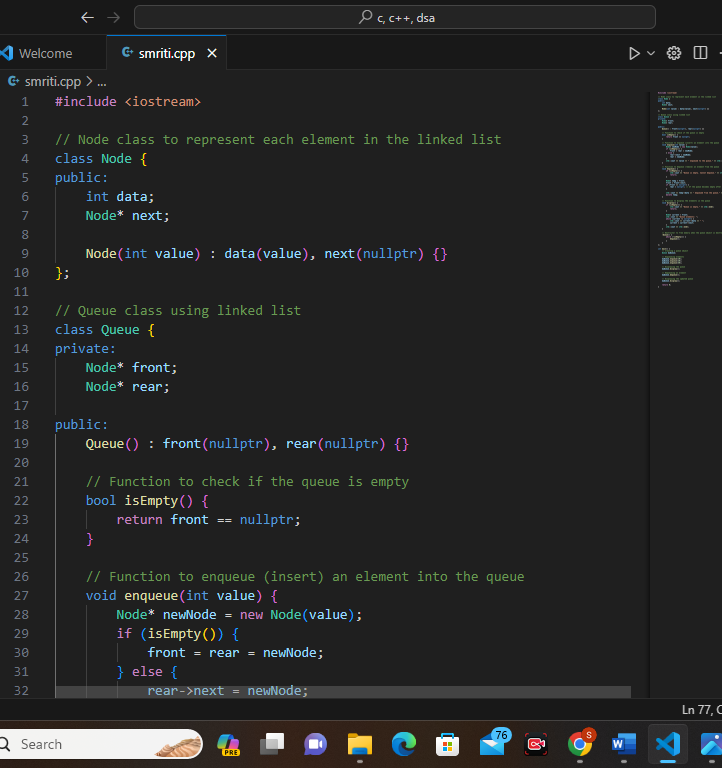


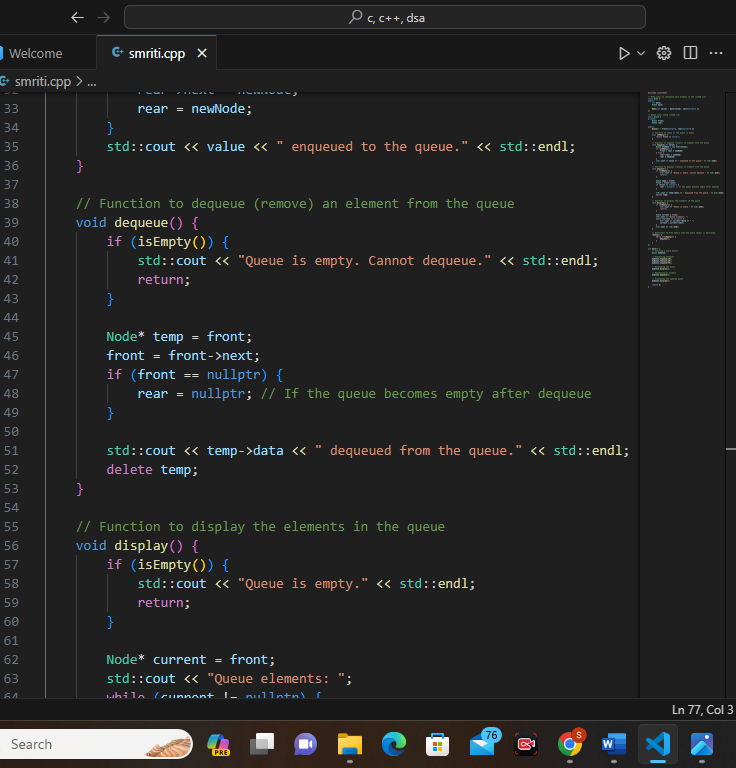


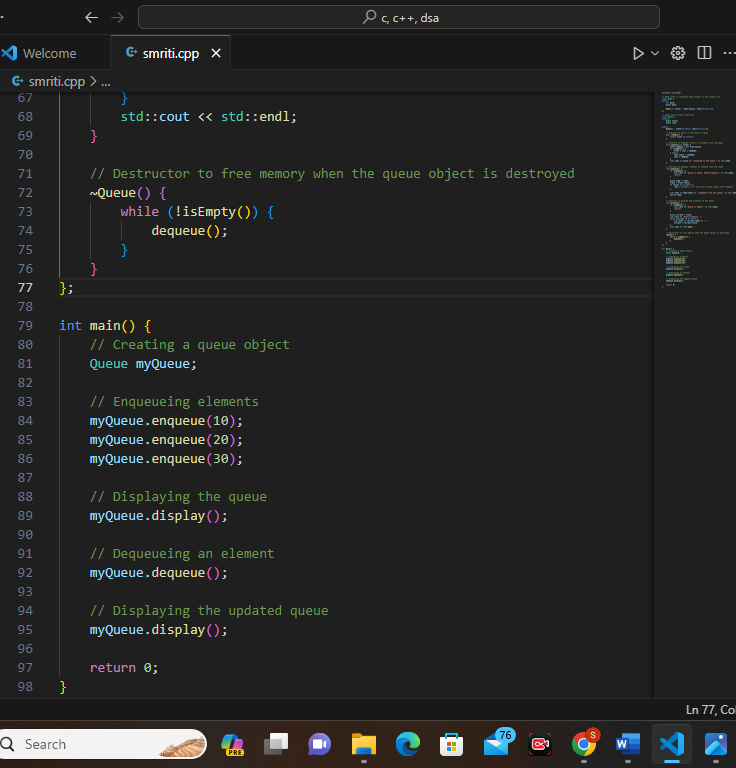
**OUTPUT:**



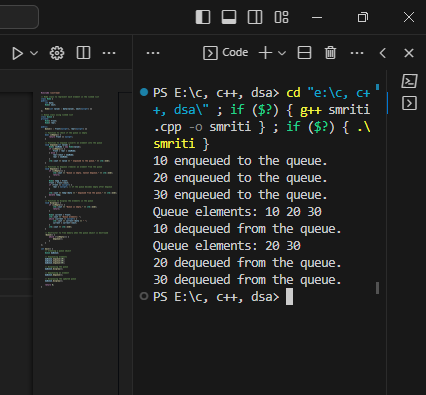
**Qno.7** Write a c++ program using class to implement queue data structure using linked list.



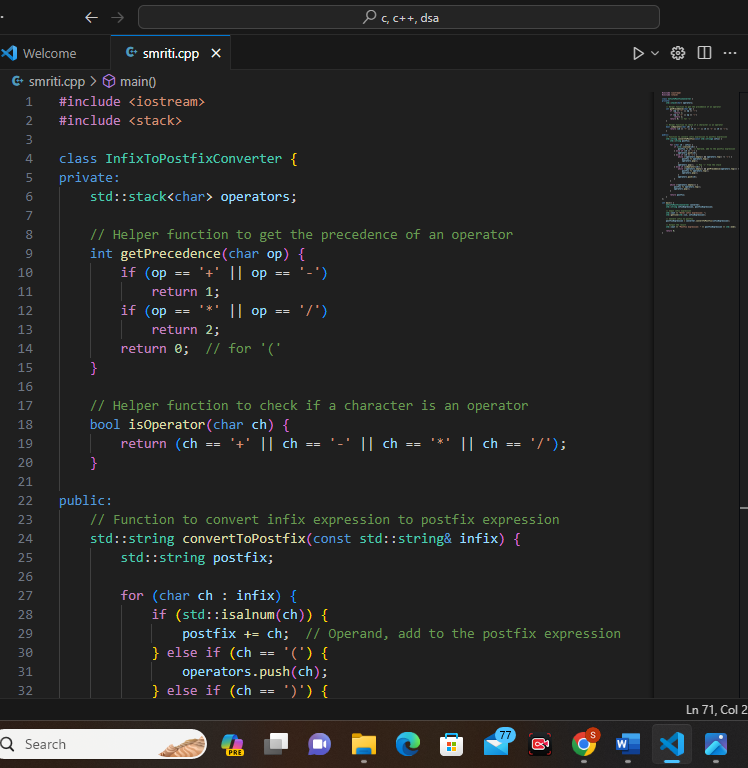


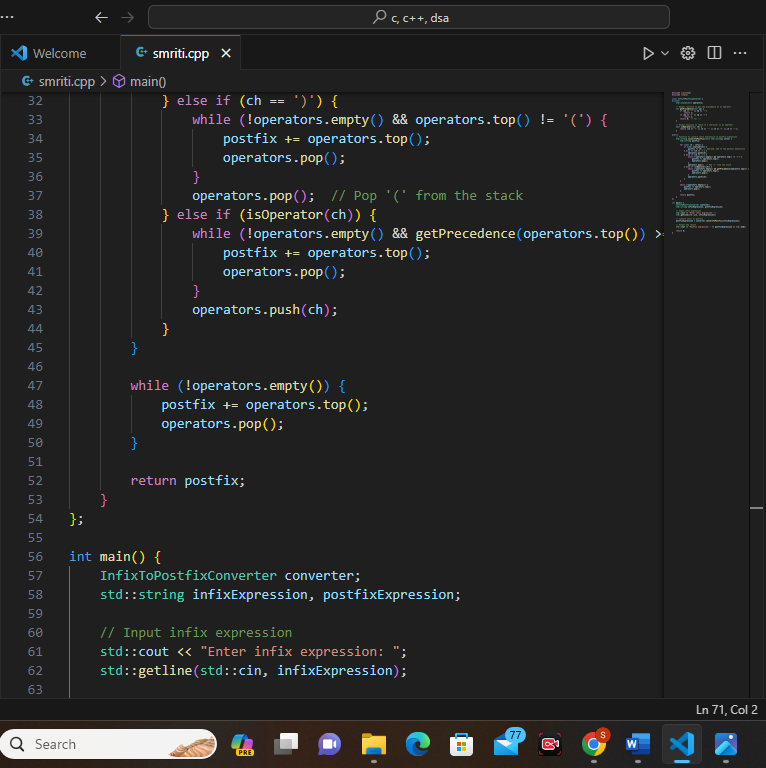


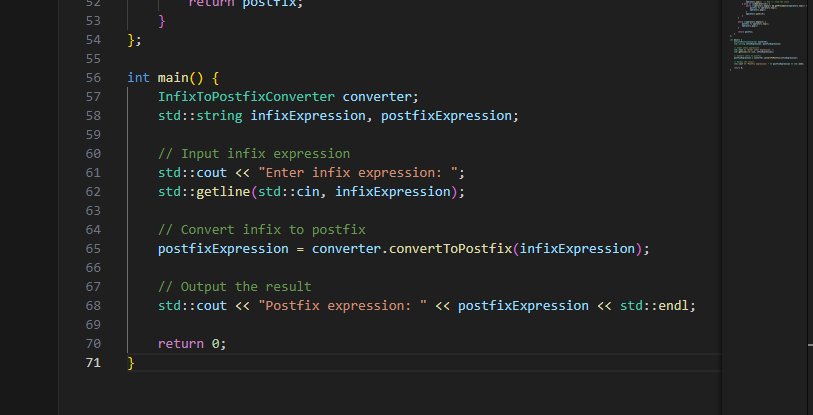
**OUTPUT:**



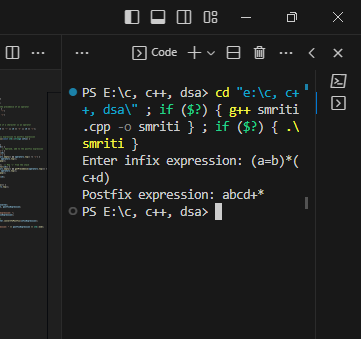
**Qno. 8**  Write a c++ program using class to convert infix expression to the postfix expression.



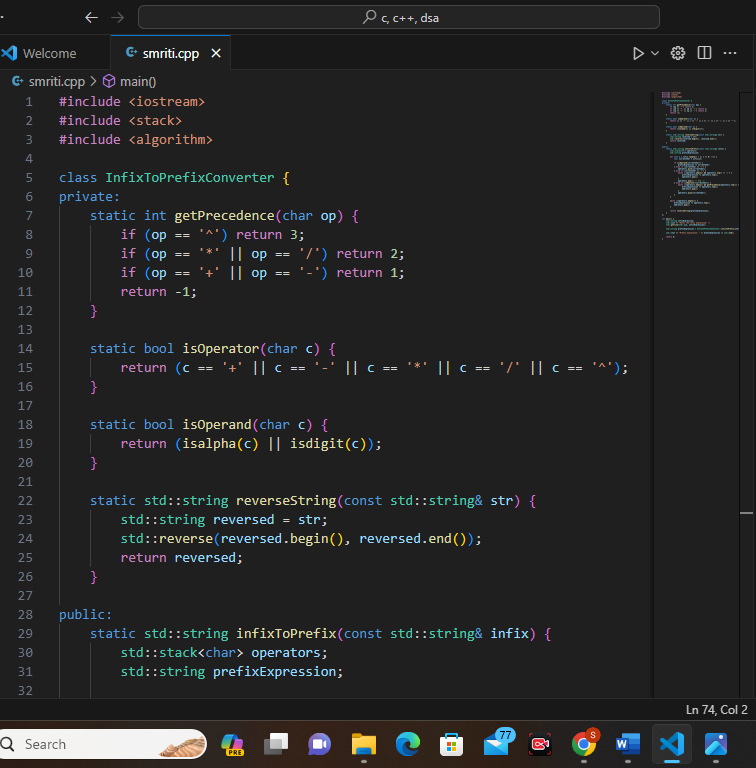


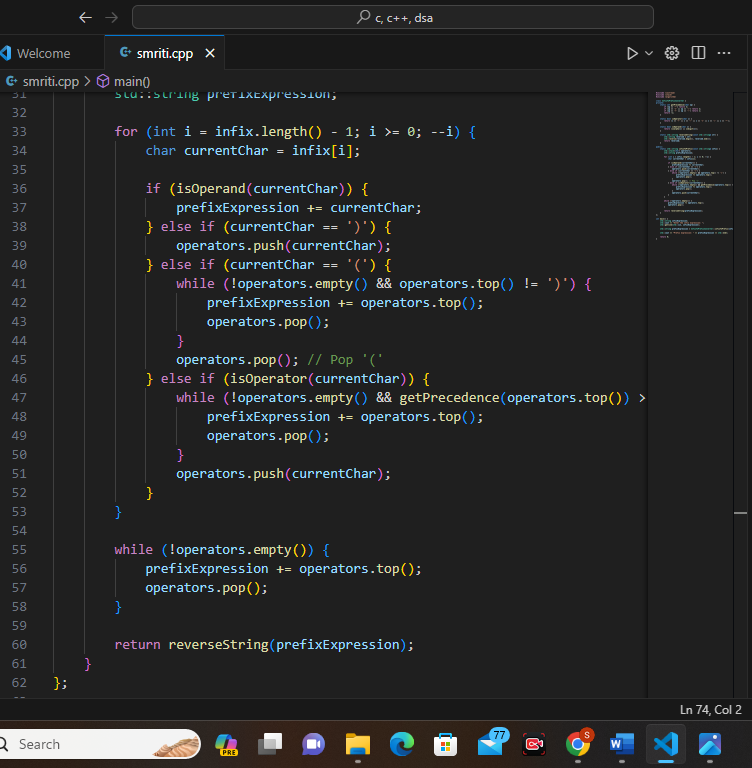


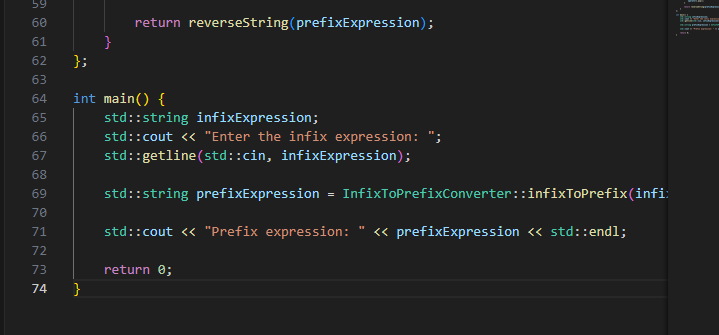
**OUTPUT:**

****

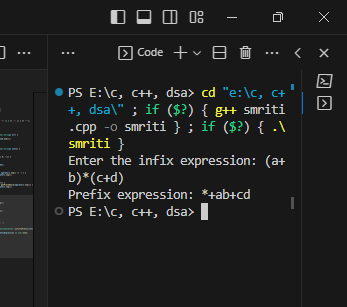
**Qno.9**  Write a c++ program using class to convert infix expression to prefix expression.



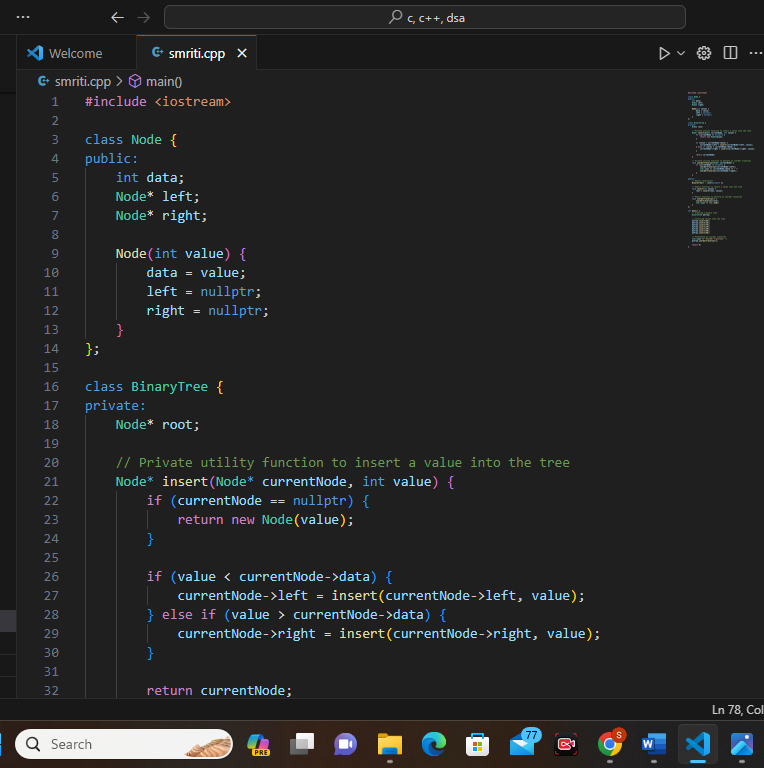


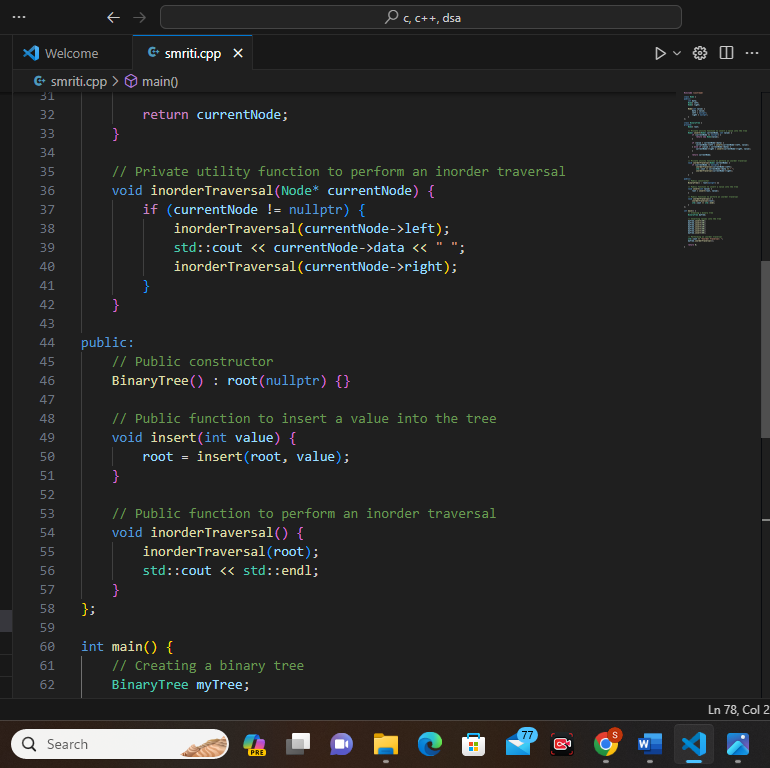


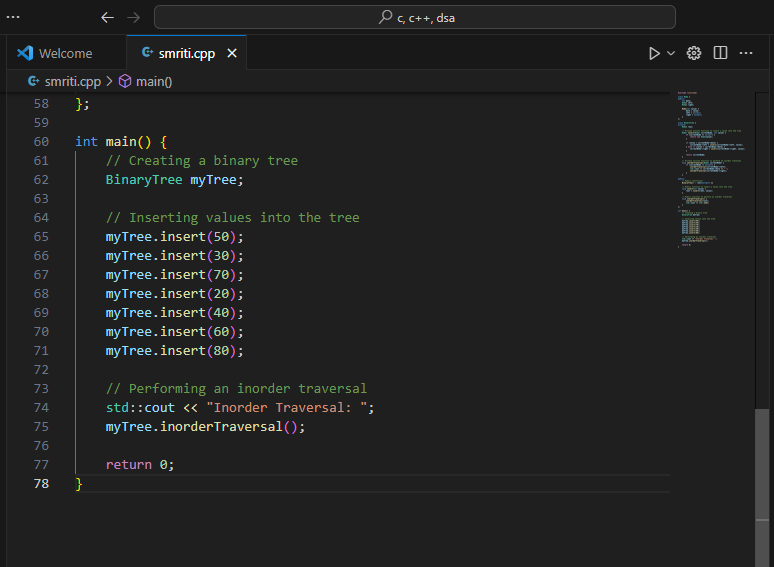
**OUTPUT:**

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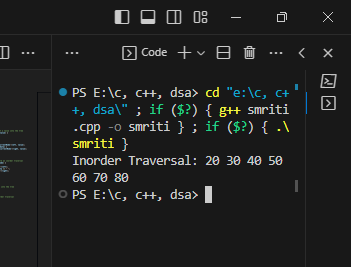
**Qno.10** Write a c++ program using class to implement binary tree.







**OUTPUT:**

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