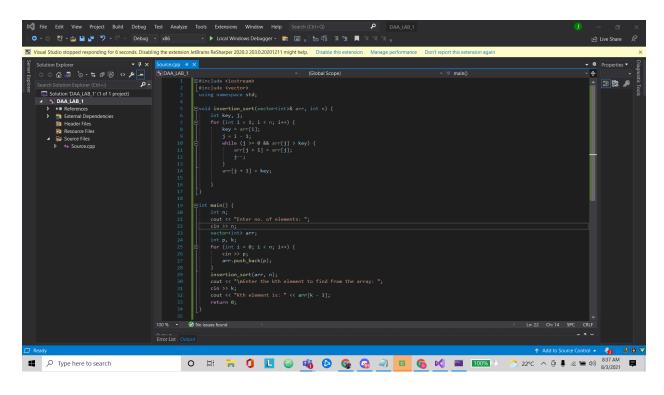
Question 1:

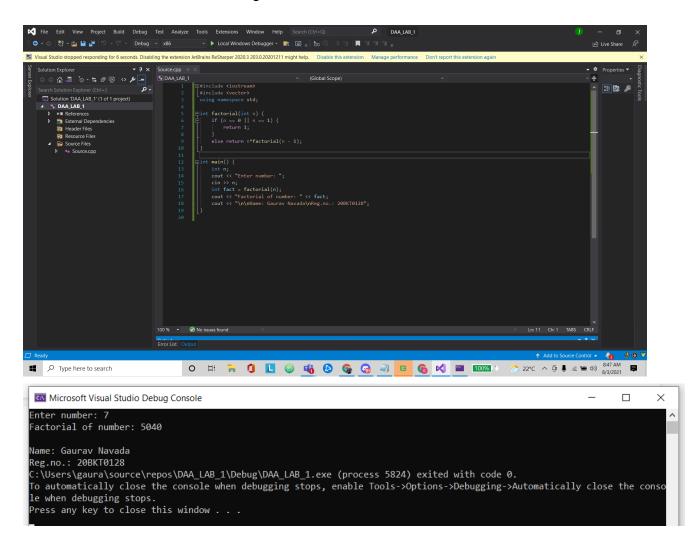
To find the kth smallest no. from a given array



```
Microsoft Visual Studio Debug Console
                                                                                                                 X
Enter no. of elements: 6
30
20
10
60
50
Enter the kth element to find from the array: 4
Kth element is: 40
Name: Gaurav Navada
Reg.no.: 20BKT0128
C:\Users\gaura\source\repos\DAA_LAB_1\Debug\DAA_LAB_1.exe (process 19744) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```

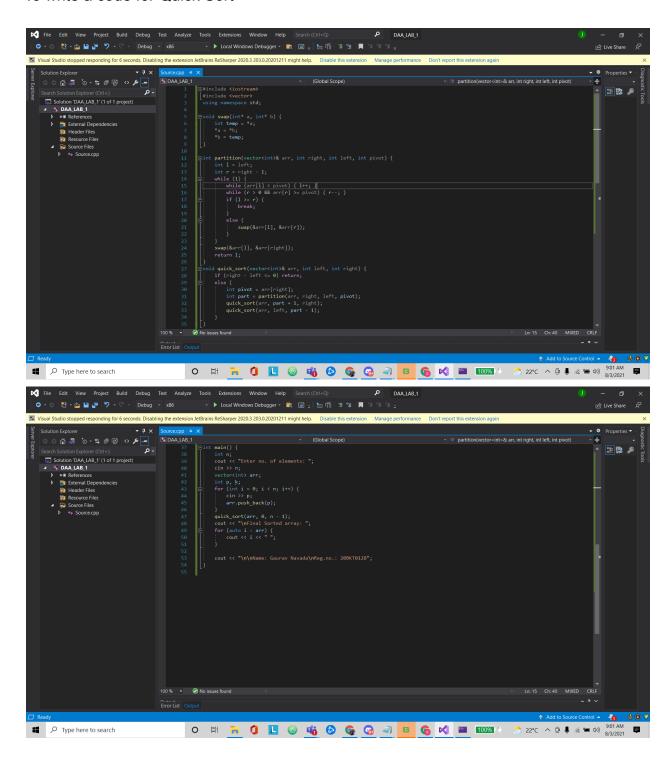
Question 2:

To find factorial of a number using recursion



Question 3:

To write a code for Quick Sort



```
Microsoft Visual Studio Debug Console

Enter no. of elements: 10

5
3
6
4
8
7
9
1
4
3
Final Sorted array: 1 3 3 4 4 5 6 7 8 9

Name: Gaurav Navada
Reg.no.: 20BKT0128
C:\Users\gaura\source\repos\DAA_LAB_1\Debug\DAA_LAB_1.exe (process 22712) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops, enable Tools->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options->Options-
```

Question 4:

To find the kth smallest no. from a given array (optimized solution) - using quick sort

