**Mini Excel DSA Project Manual**

Irtaza Manzoor 2022-CS-189

1. **VK\_LEFT:** To move the current to the left.
2. **VK\_RIGHT:** To move the current to the right.
3. **VK\_UP:** To move the current up.
4. **VK\_UP:** To move the current down.
5. **VK\_SHIFT + W:** To insert a row above the current.
6. **VK\_SHIFT + S:** To insert a row below the current.
7. **VK\_SHIFT + A:** To insert a column left to the current.
8. **VK\_SHIFT + D:** To insert a column right to the current.
9. **VK\_SHIFT + VK\_OEM\_COMMA:** To select the lower range for operation.
10. **VK\_SHIFT + VK\_OEM\_PERIOD:** To select the upper range for operation.
11. **VK\_SHIFT + C:** To copy the content from the given range.
12. **VK\_SHIFT + X:** Tocut the content from the given range.
13. **VK\_SHIFT + V:** To paste the copied or cut content starting from the current.
14. **VK\_SHIFT + I:** To give input in the current.
15. **VK\_SHIFT + Q:** To delete the current column.
16. **VK\_SHIFT + R:** To delete the current row.
17. **Q:** To clear all the content of the current column.
18. **R:** To clear all the content of the current row.
19. **VK\_F1:** To insert the cell by right shift**.**
20. **VK\_F2:** To insert the cell by downshift.
21. **VK\_F3:** To delete the cell by left shift.
22. **VK\_F4:** To delete the cell by upshift.
23. **VK\_F5:** To get the range sum in a given range and set it in the current node.
24. **VK\_F6:** To get the range average in a given range and set it in the current node.
25. **VK\_F7:** To count the number of nodes in a given range and set it in the current node.
26. **VK\_F8:** To get the minimum value in a given range and set it in the current node.
27. **VK\_F9:** To get maximum value in a given range and set it in the current node.