

C++ Cheat Sheet – 100 Core Commands & Keywords

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1. **#include** – Include a header file
2. **using namespace std;** – Use standard namespace
3. **int main()** – Program entry point
4. **cout** – Output to console
5. **cin** – Input from user
6. **endl** – New line
7. **return** – Return value from function
8. **if** – Conditional statement
9. **else** – Alternative condition
10. **switch** – Multiple condition selector
11. **for** – Loop with counter
12. **while** – Loop with condition
13. **do-while** – Loop executes once minimum
14. **break** – Exit loop
15. **continue** – Skip iteration
16. **class** – Define class
17. **struct** – Define structure
18. **public** – Public access
19. **private** – Private access
20. **protected** – Protected access
21. **new** – Dynamic memory allocation
22. **delete** – Free allocated memory
23. **vector** – Dynamic array container
24. **map** – Key-value container
25. **set** – Unique value container
26. **pair** – Store two values
27. **push_back** – Insert at end
28. **pop_back** – Remove last element
29. **size()** – Get size
30. **sort()** – Sort container
31. **reverse()** – Reverse container
32. **find()** – Find element
33. **count()** – Count occurrences
34. **max()** – Maximum value
35. **min()** – Minimum value
36. **abs()** – Absolute value
37. **pow()** – Power function
38. **sqrt()** – Square root
39. **sizeof** – Size of variable
40. **static** – Static storage
41. **const** – Constant variable
42. **inline** – Inline function
43. **friend** – Friend access
44. **virtual** – Virtual function
45. **override** – Override method
46. **this** – Current object
47. **nullptr** – Null pointer
48. **try** – Exception handling
49. **catch** – Catch exception

50. **throw** – Throw exception