**STRIVER DSA Sheet** [**(Link)**](https://takeuforward.org/strivers-a2z-dsa-course/strivers-a2z-dsa-course-sheet-2/)

**Day 1 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.1.1 | C++ Basic Input/Output | [Link to Notes](https://takeuforward.org/c/c-basic-input-output/) | - |
| 1.1.2 | Data Types | [Link to Notes](https://www.geeksforgeeks.org/cpp-data-types/) | [GeeksForGeeks Problem](https://www.geeksforgeeks.org/problems/data-type-1666706751/1?utm_source=youtube&utm_medium=collab_striver_ytdescription&utm_campaign=data-type) |
| 1.1.3 | If Else Statements | [Link to Notes](https://takeuforward.org/if-else/if-else-statements/) | [GeeksForGeeks Problem](https://www.geeksforgeeks.org/problems/java-if-else-decision-making0924/0?category%255B%255D=Java&difficulty%255B%255D=-2&page=1&query=category%255B%255DJavadifficulty%255B%255D-2page1category%255B%255DJava) |
| 1.1.4 | Switch Case Statements | [Link to Notes](https://takeuforward.org/switch-case/switch-case-statements/) | [GeeksForGeeks Problem](https://www.geeksforgeeks.org/problems/java-switch-case-statement3529/1) |

**Day 2 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.1.1 | What are arrays, strings? | * [Link to Notes](https://www.geeksforgeeks.org/cpp-arrays/) * [Link to Notes](https://www.geeksforgeeks.org/arrays-and-strings-in-c/) | [-](https://www.geeksforgeeks.org/problems/java-switch-case-statement3529/1) |
| 1.1.2 | For loops | [Link to Notes](https://takeuforward.org/for-loop/understanding-for-loop/) | [Code360 Problem](https://www.naukri.com/code360/problems/nth-fibonacci-number_74156?utm_source=striver&utm_medium=website&utm_campaign=a_zcoursetuf) |
| 1.1.3 | While loops | [Link to Notes](https://takeuforward.org/while-loop/while-loops-in-programming/) | [GeeksForGeeks Problem](https://www.geeksforgeeks.org/problems/java-if-else-decision-making0924/0?category%255B%255D=Java&difficulty%255B%255D=-2&page=1&query=category%255B%255DJavadifficulty%255B%255D-2page1category%255B%255DJava) |
| 1.1.4 | Functions (Pass by Reference and Value) | * [Link to Notes](https://www.geeksforgeeks.org/parameter-passing-techniques-in-cpp/) * [Link to Notes](https://www.geeksforgeeks.org/cpp-functions-pass-by-reference/) | [GeeksForGeeks Problem](https://www.geeksforgeeks.org/problems/pass-by-reference-and-value/1?utm_source=youtube&utm_medium=collab_striver_ytdescription&utm_campaign=pass-by-reference-and-value) |
| 1.1.5 | Time Complexity [Learn Basics, and then analyse in next Steps] | [Link to Notes](https://www.geeksforgeeks.org/time-complexity-and-space-complexity/) | - |

**Day 3 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.2.1 | \* \* \*  \* \* \*  \* \* \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/n-forest_6570177?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.2 | \*  \* \*  \* \* \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/n-2-forest_6570178?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.3 | 1  1 2  1 2 3 | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/n-triangles_6573689?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.4 | 1  2 2  3 3 3 | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/triangle_6573690?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |

**Day 4 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.2.5 | \* \* \*  \* \*  \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/seeding_6581892?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.6 | 1 2 3  1 2  1 | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/reverse-number-triangle_6581889?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.7 | \*  \*\*\*  \*\*\*\*\* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/star-triangle_6573671?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.8 | \*\*\*\*\*  \*\*\*  \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/reverse-star-triangle_6573685?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.9 | \*  \*\*\*  \*\*\*\*\*  \*\*\*\*\*  \*\*\*  \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/star-diamond_6573686?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |

**Day 5 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.2.10 | \*  \*\*  \*\*\*  \*\*  \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/rotated-triangle_6573688?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.11 | 1  0 1  1 0 1  0 1 0 1 | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/binary-number-triangle_6581890?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.12 | 1 1  1 2 2 1  1 2 3 3 2 1 | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/number-crown_6581894?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.13 | 1  2 3  4 5 6 | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/increasing-number-triangle_6581893?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.14 | A  A B  A B C | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/increasing-letter-triangle_6581897?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.15 | A B C  A B  A | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/reverse-letter-triangle_6581906?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |

**Day 6 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.2.16 | A  B B  C C C | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/alpha-ramp_6581888?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.17 | A  A B A  A B C B A | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/alpha-hill_6581921?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.18 | C  C B  C B A | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/alpha-triangle_6581429?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.19 | \* \* \* \* \* \*  \* \* \* \*  \* \*  \* \*  \* \* \* \*  \* \* \* \* \* \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/symmetric-void_6581919?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.20 | \* \*  \* \* \* \*  \* \* \* \* \* \*  \* \* \* \*  \* \* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/symmetry_6581914?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |

**Day 7 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.2.16 | \*\*\*\*\*  \* \*  \* \*  \* \*  \*\*\*\*\* | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/ninja-and-the-star-pattern-i_6581920?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.2.17 | 4444444  4333334  4322234  4321234  4322234  4333334  4444444 | [Link to Notes](https://takeuforward.org/strivers-a2z-dsa-course/must-do-pattern-problems-before-starting-dsa/) | [Code360 Problem](https://www.naukri.com/code360/problems/ninja-and-the-number-pattern-i_6581959?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |

**Day 8 :-**

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|  | Topics | Article/Notes | Code/Problems to Solve |
| 1.3.1 | C++ STL (1) -> Array, Vector, Deque | [Link to Notes](https://www.geeksforgeeks.org/the-c-standard-template-library-stl/) | [-](https://www.naukri.com/code360/problems/alpha-triangle_6581429?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.3.2 | C++ STL (2) -> List, Stack, Queue, Priority Queue | [Link to Notes](https://www.geeksforgeeks.org/the-c-standard-template-library-stl/) | [-](https://www.naukri.com/code360/problems/alpha-triangle_6581429?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |
| 1.3.3 | C++ STL (3) -> Set, Map, STL Algorithms | [Link to Notes](https://www.geeksforgeeks.org/the-c-standard-template-library-stl/) | [-](https://www.naukri.com/code360/problems/alpha-triangle_6581429?utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_patternproblems) |