**Advanced Programming Lab - 2**

| **Batch Number** | **Roll No** |
| --- | --- |
| 1 | 66,83,A0,B8 |
| 2 | 67,84,A1,B9 |
| 3 | 68,85,A2,C0 |
| 4 | 69,86,A3,C1 |
| 5 | 70,87,A4,C2 |
| 6 | 71,88,A5,C3 |
| 7 | 72,89,A6,C4 |
| 8 | 73,90,A8,C5 |
| 9 | 74,91,A9,C6 |
| 10 | 75,92,B0,C7 |
| 11 | 76,93,B1,C8 |
| 12 | 77,94,B2,LE 07 |
| 13 | 78,95,B3,LE 08 |
| 14 | 79,96,B4,LE 09 |
| 15 | 80,97,B5,LE 10 |
| 16 | 81,98,B6,LE 11 |
| 17 | 82,99,B7,LE 12 |

**Week-1**  **Batch 1:**20 Aug 2022 | **Batch 2:**22 Aug 2022

| **S.no** | **Topic** | **Question name** | **Links** |
| --- | --- | --- | --- |
| **1** | Sorting | Uncle Johny | https://www.codechef.com/submit/JOHNY |
| **2** | Basic Maths | Lucky Four | https://www.codechef.com/submit/LUCKYFR |
| **3** | Basic Maths | WGHTS | https://www.codechef.com/submit/WGHTS |
| **4** | Data Structures | Practice makes us perfect | https://www.codechef.com/submit/PRACTICEPERF |
| **5** | Arrays | Problems in your to-do list | https://www.codechef.com/submit/TODOLIST |
| **6** | Data Structures | Recent contest problems | https://www.codechef.com/submit/RECENTCONT |
| **7** | Data Structures | Make all equal using Pairs | https://www.codechef.com/submit/PAIREQ |
| **8** | Conditional Statements | The Lead Game | https://www.codechef.com/submit/TLG |
| **9** | Priority Queue | Turbo Sort | https://www.codechef.com/submit/TSORT |
| **10** | Data Structures | Small factorials | https://www.codechef.com/submit/FCTRL2 |
| **11** | String | Compress the Video | https://www.codechef.com/submit/COMPRESSVD |
| **12** | String | Rearranging digits to get a multiple of 5 | https://www.codechef.com/submit/DIGARR |
| **13** | Data Structures | Red Light, Green Light | https://www.codechef.com/submit/DOLL |
| **14** | Stacks | Transform the Expression | https://www.codechef.com/submit/ONP |
| **15** | Conditional Statements | Chef and Cook-Off | https://www.codechef.com/submit/CCOOK |
| **16** | Loops | Kitchen Timetable | https://www.codechef.com/submit/KTTABLE |
| **17** | Conditional Statements | Game between friends | https://www.codechef.com/submit/FRGAME |

**Week -2**  **Batch 1:** 27 Aug 2022 | **Batch 2:**29 Aug 2022

| **S.no** | **Topic** | **Question name** | **Links** |
| --- | --- | --- | --- |
| **1** | Arrays | The Lead Game | https://www.codechef.com/submit/TLG |
| **2** | String | The Block Game | https://www.codechef.com/submit/PALL01 |
| **3** | Data Structures | Compress the Video | https://www.codechef.com/submit/COMPRESSVD |
| **4** | Loops | Wordle | https://www.codechef.com/submit/WORDLE |
| **5** | String | Rearranging digits to get a multiple of 5 | https://www.codechef.com/submit/DIGARR |
| **6** | Algorithms | Counting Pretty Numbers | https://www.codechef.com/submit/NUM239 |
| **7** | Arrays | Red Light, Green Light | https://www.codechef.com/submit/DOLL |
| **8** | Loops | Kitchen Timetable | https://www.codechef.com/submit/KTTABLE |
| **9** | Conditional Statements | Game between friends | https://www.codechef.com/submit/FRGAME |
| **10** | Data Types | Naive Chef | https://www.codechef.com/submit/NAICHEF |
| **11** | Conditional Statements | Can\_Reach | https://www.codechef.com/submit/CAN\_REACH |
| **12** | Loops | WA Test Cases | https://www.codechef.com/submit/WATESTCASES |
| **13** | Conditional Statements | Cricket Ranking | https://www.codechef.com/submit/CRICRANK |
| **14** | Conditional Statements | Chef and Spells | https://www.codechef.com/submit/CHFSPL |
| **15** | Basic Maths | Puppy and Sum | https://www.codechef.com/submit/PPSUM |
| **16** | Conditional Statements | Marathon | https://www.codechef.com/submit/MARARUN |
| **17** | Conditional Statements | Two Rooks | https://www.codechef.com/submit/TWOROOKS |

**Week -3**  **Batch 1:** 3 Sept 2022 | **Batch 2:**5 Sept 2022

| **S.no** | **Topic** | **Question name** | **Links** |
| --- | --- | --- | --- |
| **1** | Data Structures | Devu and friendship testing | https://www.codechef.com/submit/CFRTEST |
| **2** | Data Structure | Binary String Cost | https://www.codechef.com/submit/BSCOST |
| **3** | **Frequency Arrays** | Chef and Dolls | https://www.codechef.com/submit/MISSP |
| **4** | **Conditional Statements** | Can You Eat It | https://www.codechef.com/submit/COMPCAND |
| **5** | **Algorithms** | The Old Saint And Three Questions | https://www.codechef.com/submit/THREEQ |
| **6** | Conditional Statements | Vaccine Dates | https://www.codechef.com/submit/VDATES |
| **7** | Basic Programming Concepts | Penalty Shots | https://www.codechef.com/submit/PENALTY |
| **8** | Algorithms | Shoe Fit | https://www.codechef.com/submit/SHOEFIT |
| **9** | Conditional Statements | A - Save Water Save Life | https://www.codechef.com/submit/SAVWATER |
| **10** | Loops | Count the Holidays | https://www.codechef.com/submit/SUNDAY |
| **11** | Conditional Statements | Chef and SnackDown | https://www.codechef.com/submit/SNCKYEAR |
| **12** | Algorithms | Olympics Ranking | https://www.codechef.com/submit/OLYRANK |
| **13** | Basic Maths | Chef on Vacation | https://www.codechef.com/submit/CHEFVACATION |
| **14** | Conditional Statements | Utkarsh and Placement tests | https://www.codechef.com/submit/UTKPLC |
| **15** | Conditional Statements | Gold Mining | https://www.codechef.com/submit/CARRYGOLD |
| **16** | Algorithms | Find the Direction | https://www.codechef.com/submit/FACEDIR |
| **17** | Conditional Statements | Chef On Island | https://www.codechef.com/submit/CCISLAND |

**Week -4**  **Batch 1:** 10 Sept 2022 | **Batch 2:**12 Sept 2022

| **S.no** | **Topic** | **Question name** | **Links** |
| --- | --- | --- | --- |
| **1** | Conditional Statements | MATCHES | https://www.codechef.com/submit/MATCHES |
| **2** | Loops | EZSPEAK | https://www.codechef.com/submit/EZSPEAK |
| **3** | Data Structures | ZOOZ | https://www.codechef.com/submit/ZOOZ |
| **4** | Data Structures | Easy Pronunciation | https://www.codechef.com/submit/EZSPEAK |
| **5** | Basic Programming Concepts | Programming Languages | https://www.codechef.com/submit/PROGLANG |
| **6** | Data Structures | Devu and friendship testing | https://www.codechef.com/submit/CFRTEST |
| **7** | Arrays | That Is My Score! | https://www.codechef.com/submit/WATSCORE |
| **8** | Algorithms | Chef and String | https://www.codechef.com/submit/XYSTR |
| **9** | Algorithms | Chef and Work | https://www.codechef.com/submit/CHEFNWRK |
| **10** | Algorithms | Hungry Chef | https://www.codechef.com/submit/BURGERS2 |
| **11** | Number System | Split N | https://www.codechef.com/submit/SPLITN |
| **12** | Implementation | Ada and crayons | https://www.codechef.com/submit/ADACRA |
| **13** | Sorting | Chef and Employment Test | https://www.codechef.com/submit/CK87MEDI |
| **14** | Data Structures | Balanced Reversals | https://www.codechef.com/submit/BALREV |
| **15** | Algorithms | A - Books | https://www.codechef.com/submit/BIT2A |
| **16** | String | Chef and Table Tennis | https://www.codechef.com/submit/TTENIS |
| **17** | Algorithms | Xor Palindrome | https://www.codechef.com/submit/XOR\_PAL |