

## Phase - 1

### Basic Programs

- 1.** Meena face an issue to perform a mathematical operation to find a cube of any number. Write a C++ Program which helps Meena to solve her issue.
  
- 2.** Sameer is too weak to find multiplication of any three numbers. Write a C++ Program which helps Sameer to solve his issue.
  
- 3.** A student in a fifth class encounters a very easy math problem to find quotient and remainder. Write a C++ Program which provides a solution for this particular problem.
  
- 4.** Two classmates wants to exchange their seating with each other. But the problem is that there are only two chairs in the small classroom which already aquires by them. Write a C++ Program which provides a solution for this particular problem.
  
- 5.** Two college colleagues had argue with a ASCII value conversion method. Write a C++ Program which provides a solution for their issue.
  
- 6.** An IT company wants to generate random number of 6 digits long and send it to its employees. Write a C++ Program to help this IT company.

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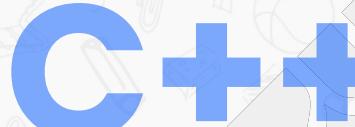
- 7.** Priyank needs to find an average of three numbers to gain required passing marks in exam. Write a C++ Program to helps Priyank to solve his issue.
- 8.** A sport coach needs to convert submitted participants' inches into feet and inches for height measurement. Write a C++ Program to provide a solution for this.
- 9.** An innocent boy must have to solve that how to raise any number(Base) to power N for proving his common ability among all classmates. Write a C++ Program to provide a solution for this boy.
- 10.** A brand new smart device which meant to convert total provided Days Into Years, Weeks and Days. But for some technical interruption, that device stops working properly. Write a C++ Program to provide a solution for this.
- 11.** Raman have an idea to impress his Computer Teacher by solving Square Root of a number without using any programming library. Write a C++ Program to help Raman.
- 12.** A math teacher wants to teach how to find a Simple Interest. Write a C++ Program to provide a solution for this.



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- 13.** A fourth standard student forced by his teacher to identify if a given Character is Uppercase, Lowercase, Digit or Special Character. Write a C++ Program to help that student.
- 14.** Gaurav must have to teach his little 5 years old baby to check whether a given year is leap year or not. Write a C++ Program to provide a solution for Gaurav.
- 15.** Aaryan is constantly trying to Check Whether a character is Vowel or Consonant. But for some unknown reason he just cannot remember difference between vowel and consonant. Write a C++ Program to provide a better solution to Aaryan.
- 16.** Two friends are playing a game in which they have to check whether a given number is Even or Odd. Help them to Write a C++ Program for that.
- 17.** Sameer needs to master a technique to find if a given number is Prime number or not for his best presentation at the Teachers Day to impress his Math teacher. Help sameer to Write a C++ Program with best technique.
- 18.** Tushar is trying very hard to teach his classmate Harsh that how to find Factorial of a Number. Write a C++ Program for Tushar with best possible technique.



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**19.** Write a C++ program to Print Table of any Number less than 10. A group of needy newbie math students will appriciate your help for your help.

**20.** A Teacher give a punishment to all students to find reverse numbers of given 3 random numbers by logically under 15 minutes. Write a C++ Program to provide a solution for this problem.

**21.** Priya wants to teach his newly enrolled boy that how to find number of Digits in any number. Write a C++ Program to provide a solution for this problem.

**22.** Write a C++ Program to find Fibonacci Series upto N numbers to help Darshan by passing fastest-finger first round for entering Coding Quiz competition.

**23.** By writing a logic for checking if a given number is Armstrong or Not, Mayur will be qualified for an entrance exam. Write a C++ Program for Mayur to qualify.

**24.** By writing a logic for checking if a given string is Palindrom or Not, Apexa will be qualified for an entrance exam. Write a C++ Program for Apexa to qualify.

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**25.** By using an easy technique, Write a C++ program to Find Largest Number among four numbers to help Prisha boost-up her confidence in logical building process.

**26.** Develop a simple comparision system which identify if given number is Palindrome or not. By this system, a bank employee will appriciate your help. Write a C++ program for developing this system.

**27.** Create a addition logic to find sum of all digits of a given number to surpass a very challenging dream of Tanmay. Write a C++ program to develop this system for Tanmay.