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| 5 | Write a program that explain the use of setw manipulator. |
| 6 | Write a program that displays the values of different variables using setprecision manipulator. |
| 7 | Write a program that displays the values of different variables using showpoint manipulator. |
| 8 | Write a program that display the values of different variables using setfill manipulator. |
| 9 | Write a program that inputs name, age and address from the user and then displays these values on the screen. |
| 11 | Write a program that inputs a character and displays its ASCII code. |
| 12 | Write a program that inputs dividend and divisor. It then calculates and displays the quotient and remainder. |
| 13 | Write a program that inputs two numbers, swaps the values and then displays them. |
| 14 | Write a program that inputs two numbers, swaps these values without using third variable and displays them. |
| 18 | Write a program that gets temperature from the user in Celsius and converts it into Fahrenheit using the formula F=9/5\*C+32. |
| 19 | Write a program that converts a person’s height from inches to centimeters using the formula 2.54\*height. |
| 22 | Write a program that inputs a three-digit number from the user and displays it in reverse order. For example if the user enters 123, it displays 321. |
| 23 | Write a program that inputs a five-digit number as input and reverse the number. |
| 24 | Write a program that inputs an even and odd number through keyboard, multiplies even with 5 and odd with 3 and adds both results. It subtracts the result from 1000 and finally print the difference. |
| 26 | Write a program that will prompt the user to enter number of hours. It computes and displays the number of week, days and hours within the input number of hours. |
| 27 | Write a program that will prompt the user to enter the current rates of electricity, gas and petrol per unit. Give each item’s rate an increment of 10%. Compute and displays the new prices per unit of electricity, gas and petrol. |

Chapter 4

Chapter 5

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| 5 | Write a program that inputs three numbers and displays the maximum number. |
| 7 | Write a program that inputs five integers. It finds and prints the largest and smallest integer. |
| 9 | Write a program that inputs a year and finds whether it is a leap year or not using if-else structure. |
| 16 | Write a program that inputs three number and displays the smallest number by using nested if condition. |
| 19 | Write a program that inputs a character and displays whether it is a vowel or not. |
| 20 | Write a program that allows the user to enter any character through the keyboard and determines whether it is a capital letter, small case letter, a digit number or a special symbol. |
| 22 | Write a program that inputs three digits and displays all possible combinations of these digits. |
| 27 | Write a program that converts ASCII number to character and vice versa. The program should display the following menu:  1. Convert ASCII value to Character  2. Convert Character to ASCII value |
| 28 | Write a program that inputs marks of a student and displays “Pass” if marks are more than 40 and “Fail” otherwise by using conditional operator. |
| 29 | Write a program that inputs a number and displays whether it is divisible by 3 or not by using conditional operator. |
| 30 | Write a program that displays “C++” five times using goto statement. |
| 5 | Write a program that inputs three numbers and displays the maximum number. |
| 7 | Write a program that inputs five integers. It finds and prints the largest and smallest integer. |
| 9 | Write a program that inputs a year and finds whether it is a leap year or not using if-else structure. |
| 16 | Write a program that inputs three number and displays the smallest number by using nested if condition. |
| 19 | Write a program that inputs a character and displays whether it is a vowel or not. |
| 20 | Write a program that allows the user to enter any character through the keyboard and determines whether it is a capital letter, small case letter, a digit number or a special symbol. |
| 22 | Write a program that inputs three digits and displays all possible combinations of these digits. |

Chapter 6

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| 6.6 | Write a program that inputs an integer and displays the sum of its digits. For example the program should display 9 if the user enters 135. |
| 6.7 | Write a program that inputs a number from the user and displays the factorial of that number using while loop. |
| 6.8 | Write a program that displays the degree-to-radian table using while loop. |
| 6.9 | Write a program that displays the sum of the following series using while loop.  1+1/2+1/4+1/6+…+1/100 |
| 6.10 | Write a program that inputs a positive number. It then displays the sum of all odd numbers and the sum of all even number from 1 to the number entered by the user. |
| 6.12 | Write a program that inputs numbers until the user enters a negative number. The program calculates the average, maximum and minimum of all positive numbers. |
| 6.13 | Write a program that inputs a sentence from the user and counts the number of words and characters in the sentence. |
| 6.16 | Write a program that inputs a number from the user and displays n Fibonacci terms. In Fabonacci sequence sum of two successive terms gives the third term. |
| 6.6 | Write a program that inputs an integer and displays the sum of its digits. For example the program should display 9 if the user enters 135. |
| 6.7 | Write a program that inputs a number from the user and displays the factorial of that number using while loop. |
| 6.8 | Write a program that displays the degree-to-radian table using while loop. |
| 6.9 | Write a program that displays the sum of the following series using while loop:  1+1/2+1/4+1/6+…+1/100. |
| 6.10 | Write a program that inputs a positive number. It then displays the sum of all odd numbers and the sum of all even number from 1 to the number entered by the user. |
| 6.12 | Write a program that inputs numbers until the user enters a negative number. The program calculates the average, maximum and minimum of all positive numbers. |
| 13 | Write a pro |
| 16 | Write a program that inputs a number from the user and displays n Fibonacci terms in Fibonacci sequence, sum of two successive terms gives the third term. |
| 17 | Write a program that inputs a number and checks if it is Fibonacci number or not. |
| 19 | Write a program that gets two numbers from the user and displays the result of first number raise to the power of second number using do-while loop. |
| 22 | Write a program that reads the current state of a telephone line. The user should enter w for working state and d for dead state. Any other input should be invalid. Use do-while loop to force the user to enter a valid input value. |
| 26 | Write a program that finds the sum of the squares of integers from 1 to n. Where n is a positive value entered by the user. |
| **27** | Write a program that inputs a number from the user and prints the lowest and highest digit in the number. |
| **28** | Write a program that inputs the value of x and range. It then calculates and prints the sum of the following series:  1 + 1/x + 1/x^2 + 1/x^3 + … |
| 29 | Write a program to print the following series:  1 4 7 10 … 40 |
| 30 | Write a program to print the following series:  1 -4 7 -10 ….. -40 |