|  |  |  |
| --- | --- | --- |
| **Name:** | **SRN:** | **Section:** |
| **Date:** | **Week Number:** |

|  |  |
| --- | --- |
| **1** | Write a function to reverse a given number and check whether a given number is palindrome or not.Input:Enter the number121Output:The Number 121 is PalindromeInput:Enter the numberOutput:123Number 123 is Not Palindrome |
|  | **Program:** |
|  | **Output Screenshot:** |
| **2** | Write a C program to compute GCD of three numbers using functions. **Input:**  Enter the values of a,b and c  10 4 16  **Output:**  GCD(10,4,16)=2 |
|  | **Program:** |
|  | **Output Screenshot:** |
| **3** | Write a program in C to check Armstrong and perfect numbers using functions.  **Input:**  Input any number: 153  **Output:**  The 153 is an Armstrong number.  The 153 is not a Perfect number.  **Input:**  Input any number: 28  **Output:**  The 28 is not an Armstrong number.  The 28 is a Perfect number. |
|  | **Program:** |
|  | **Output Screenshot:** |
| **4** | Write a program in C to check whether a number is a prime number or not using function  **Input:**  Input a positive number : 12  **Output:**  The number 12 is not a prime number  **Input:**  Input a positive number : 13  **Output:**  The number 13 is a prime number |
|  | **Program:** |
|  | **Output Screenshot:** |
| **5** | Write a program in C to convert decimal number to octal number using function  **Input:**  Input any decimal number : 25  **Output:**  Equivalent Octal Number: 17  **Input:**  Input any decimal number : 15  **Output:**  Equivalent Octal Number: 31 |
|  | **Program:** |
|  | **Output Screenshot:** |
| **6** | Write a program in C to find the sum of the series 1!/1+2!/2+3!/3+4!/4+5!/5 using function.  **Output:**  The sum of the series is : 34 |
|  | **Program:** |
|  | **Output Screenshot:** |
| **1** | **Practice Programs**  Write a program to display Fibonacci series in C within a range using a function  **Input:**  Enter range: 5  **Output:**  The fibonacci series is:  0 1 1 2 3 5 |
|  | **Program:** |
|  | **Output Screenshot:** |
| 2 | Write a program to check triangle validity when angles are given using functions.  **Input:**  Enter three angles of triangle:  30  40  60  **Output:**  Triangle is not valid  **Input:**  Enter three angles of triangle:  30  60  90  **Output:**  Triangle is valid |
|  | **Program:** |
|  | **Output Screenshot:** |