Q1) Write a program in C to display n-terms of natural number (1 to n), their sum and their average. Take input n from user

Q2) Write a program in C to display n-terms of natural number (n to 1), their sum and their average. Take input n from user

Q3)Write a c program to print an A.P and find out the sum of an A.P. series. (take a,d,n as input from user)

$T_n = a + (n-1)*d$ $S_n = n/2\ (2*a+(n-1)*d)$

Q4)Write a c program to print an G.P and find out the sum of an G.P. series. (take a,r,n as input from user)

$T_n = a* r\ ^{(n-1)}$ $S_n = (a* (r^n - 1))/(r-1)$

Q5) Write a program in C to display odd numbers b/w (1 to n), their sum and their average. Take input n from user.

Q6) Write a program in C to display the natural number (m to n) that are divisible by 7 and 9. Find the number of terms, their sum and their average. Take input m and n from user

Q7) Write a program in C to display the number in reverse order and display whether its palindrome or not.

Q8) take binary number input from user and check if its binary or not.

Q9) take binary number input from user and convert it into decimal

Q10) Write a program to find the factorial of a number input by the user.

Q11) Find the roots of the following quadratic equation by quadratic formula. (Take the value of coefficient of X^2, the coefficient of X and constant term from user)

$X = (-b + \sqrt{b^2 - 4ac}) / 2*a$ $X = (-b - \sqrt{b^2 - 4ac}) / 2*a$

Q12) Write a program in C to display the square of n terms of natural number and their sum

Q13) Write a C program to check number has decimal point or not.

Q14) Write a c program to check whether a number input by the user is a perfect number or not.

Q15) Calculate the sum of digits of a number given by user.

Q16) Write a program in C to display the first n terms of Fibonacci series (Take input n from user)

Q17) Two numbers are entered through the keyboard. Write a program to find the value of one number raised to the power of another.