

Assignment 1

Q.1 Write a program to find roots of a quadratic equation.

Q.2 Write a program to read a date and to print next date.

Q.3 Write a program to read a date and to print previous date.

Q.4 Write a program to read two positive integers M and N to print all odd numbers between them (both M and N inclusive).

Q.5 Write a program to read two positive integers M and N and to print all even numbers between them (both M and N excluded).

Q.6 Write a program to read an integer number and print its reverse (For example reverse of 7654 is 4567).

Q.7 Write a program to read an integer number and to print

- Product of its digits if it is odd.
- Sum of its digits if it is even

Q.8 Write a program to read and print the sum of the series

$$1^2 + 2^3 + 3^4 + 4^5 + \dots + 7^8$$

Q.9 Write a program to read and print the sum of the series

$$1^8 + 2^7 + 3^6 + 4^5 + 5^4 + 6^3 + 7^2 + 8^1$$

Q.10 Write a program to print hcf of two numbers.

Q.11 Write a program to compute $\int_5^{10} (2x + 4) dx$ using trapezoidal rule.

Q.12 Write a program to compute a root of the polynomial $2x^3 + 4x^2 + x - 3$ using bisection method.