

**Task\_01:**

Write a C program to create Simple Calculator using switch case.

**Task\_02:**

Ali, Kiran, Alex and sara are planning to watch movie in Nuplex. But the problem is that on weekend the movie ticket is bit expensive i-e; PKR=1250 then weekdays. Luckily on Wednesday they have 20% discount offer. Now you need to help them in calculating the total amount of 4-tickets after discount. Also, how it cost to an individual

**Task\_03:**

Write a program to calculate the volume of sphere and circumference of a circle by taking the radius from the user by using math.h

$$V = \frac{4}{3} \pi r^3$$

Volume of Shphere

$$C = 2 \pi r$$

Circumference of a Circle

**Task\_04:**

Write a program to calculate the Merit for the admission test of NUCES. Your merit score breakup is calculated like that 20% marks of Matriculation, 20% marks of Intermediate and 60% marks of your Admission Test score. You need to input the obtained marks from the user and calculate its specific percentage for each.

Matriculation Marks: (20% of obtained marks) out of (Max.Marks = 1100)

Intermediate Marks: (20% of obtained marks) out of (Max.Marks = 1200)

Admission Test Marks: (60% of obtained marks) out of (Max.Marks = 100)

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Total Score: 100%

**Task\_05:**

Write a program in C that swaps two numbers without using third variable.

**Task\_06:**

Write a program in C that swaps the digits in a number. Suppose you have a 5-digit integer i-e: 54832.

You need to swap these digits in a number. The new number would be like that 23845.

[Hint: You can use mode and divide operator to swap].