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| **S. No** | **Question** | **Input and Output** |
|  | Write a C# Sharp program to print Hello and your name in a separate line.  Using both Place holder, Concatenation, and $ Interpolation syntaxes | Hello: Hello: Alexandra Abramov  Hello: Alexandra Abramov |
|  | Write a C# Sharp program to print on the screen the output of arithmetic operations of two numbers which will be entered by the user. | Input the first number: 25 Input the second number: 4  ***Expected Output:*** Addition = 29 Subtraction = 21 Multiplication = 100 Division = 6 Modulo = 1 |
|  | Write a C# program to convert from Celsius degrees to Kelvin and Fahrenheit.  **Formula**:  (Celsius × 9/5) + 32 = Fahrenheit.  (Celsius+273.15)= kelvin | Enter the amount of Celsius: 30  ***Expected Output:*** Kelvin = 303.15 Fahrenheit = 86 |
|  | Write a program to convert the Given Length value in meters to the following units.  **Formula**:   1. CM = meter \* 100 2. Mm – CM \* 10 3. Inch – 39.3 \* meter 4. Foot – 12 \* meter 5. Mile –0.0006213715277778\*meter | Input : Length = 2  ***Expected Output:***  CM = 200  MM =2000  Inch = 78.6  Foot = 24  Mile = 0.0012427430555556 |
|  | Get a two-digit value from the user and print the sum of the digits. | Input:  Value = 12  ***Expected Output:***  3 |
|  | Calculate the total price amount of a product get the price amount from the user and its tax is 18%. | Price - 1550  Total = 1829 |
|  | If a vehicle travel in user provided km/hr speed after user provided seconds find how much distance it will travelled in meters  Distance travelled =  Speed in km/hr \*seconds \* 5/18 | Input speed:100 km/hr  Time : 20 sec  Output : 555 Meters |

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|  | Get a value from the user and Perform a ternary operation for the below condition.   1. valueis **equal to** 15; 2. value is **lesser than** or equal to 5 | Input:  value = 5  ***Expected Output:***   1. False 2. True |

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|  | Compare Value1= 15 and value2= 20  Print the result with the following relational operators (==, >, <).   1. Value 1 is **greater than** Value2 2. Value 1 is **lesser than** Value2 3. Value 1 is **greater than or equal to** Value2 4. Value 1 is **equal to** Value2 5. Value 1 is **not equal to** Value2 6. Value 1 is **lesser than or equal to** Value2 7. Value 1 is **greater than or equal to** 10 **and** value 2 is **greater than or equal to** 10 8. Value 1 is **greater than or equal to** 10 **or** value 2 is **greater than or equal to** 30 9. **Invert** of Value 1 is **greater than** 20   **Requirements:**  Should not use the **if** or **if else** condition to check the value. | 1. False 2. True 3. False 4. False 5. True 6. True 7. True 8. True 9. True 10. True 11. 15 12. 16 |
|  | Get student’s Physics, chemistry, and math marks and calculate the sum and Percentage of marks.  **Requirements:**   1. Only use two variables(for sum and percentage). There should not be any variable declaration for student marks. 2. Use the compound operators to perform sum calculation. | **Input:**  Physics- 70  Chemistry - 51  Maths - 50  ***Expected Output:***  Sum = 171  Percentage = 57 |