|  |  |  |
| --- | --- | --- |
| **S. No** | **Question** | **Input and Output** |
|  | Write a C# Sharp program to get the time of day from a given array of date time values. | **Array of DateTime :**  DateTime[] dates = { DateTime.Now,  new DateTime(2016, 8, 16, 9, 28, 0),  new DateTime(2011, 5, 28, 10, 35, 0),  new DateTime(1979, 12, 25, 14, 30, 0) };  *Expected Output* :  Day: 8/20/2016 Time: 15:58:26.3566320  Day: 8/20/2016 Time: 3:58 PM    Day: 8/16/2016 Time: 09:28:00  Day: 8/16/2016 Time: 9:28 AM    Day: 5/28/2011 Time: 10:35:00  Day: 5/28/2011 Time: 10:35 AM    Day: 12/25/1979 Time: 14:30:00  Day: 12/25/1979 Time: 2:30 PM |
|  | Write a C# Sharp program to get the Date property from user and display the DateTime value in the formatted output   1. To normal 24 hour 2. To short date style 3. To long date style 4. To 12 hour format 5. To date only 6. To time only | *Input:* 29/04/2022 11:49:00 AM  *Expected Output*:   1. Complete date: 29/04/2022 11:49:00 AM 2. Short Date: 04/29/2022 3. Friday , April 2022 11:49:00 AM 4. 29/04/2022 11:49:00 AM 5. 29/04/2022 6. 11:49:00 AM |
|  | Write a C# Sharp program to get date time from user and display the Day properties Individually (year, month, day, hour, minute, second, millisecond etc.). | *Input:* 16/08/2016 3:57:32 AM  *Expected Output* :  year = 2016  month = 8  day = 16  hour = 3  minute = 57  second = 32  millisecond = 00 |
|  | Write a C# Sharp program to get the day of the week for a specified date. | *Expected Output* :  The day of the week for 7/11/2016 is Monday. |
|  | Write a C# Sharp program to display the number of days of the year between two specified years. | *Expected Output* :  12/31/2001: day 365 of 2001  12/31/2002: day 365 of 2002  12/31/2003: day 365 of 2003  12/31/2004: day 366 of 2004 (Leap Year)  12/31/2005: day 365 of 2005  12/31/2006: day 365 of 2006  12/31/2007: day 365 of 2007  12/31/2008: day 366 of 2008 (Leap Year |
|  | Write a C# Sharp program to calculate what day of the week is 40 days from this moment. | *Expected Output* :  Today = 8/20/2016 4:18:17 PM  Thursday |
|  | Write a C# Sharp program that compares two dates. | *Expected Output* :  8/1/2016 12:00:00 AM is earlier than 8/1/2016 12:00:00 PM |
|  | Write a C# Sharp Program to create a date one year previously and the date one year in the future compared to the current date. | *Expected Output* :  1: 8/20/2016 is later than 8/20/2015  -1: 8/20/2016 is earlier than 8/20/2017 |
|  | Write a C# Sharp program to find the leap years between 1994 and 2014. | Note : Use IsLeapYear method.  *Expected Output* :  1996 is a leap year.  One year from 2/29/1996 is 2/28/1997.  2000 is a leap year.  One year from 2/29/2000 is 2/28/2001.  2004 is a leap year.  One year from 2/29/2004 is 2/28/2005. |
|  | Write a program in C# Sharp to compute what day will be tomorrow and yesterday. | Output:  Yesterday :19/4/2022  Tomorrow : 21/4/2022 |
|  | Write a program in C# Sharp to print the name of month in full starting from current date. | *Expected Output* :  Display the name of the months of a year :  -----------------------------------------------  The date of Today : 13/06/2017  The twelve months are :  June  July  August  September  October  November  December  January  February  March  April  May |
|  | Write a program in C# Sharp to get the number of days of a given month for a year. | Test Data: Input the Month No. : 2 Input the Year : 2017 *Expected Output* :  The Number of days in the month February is : 28 |
|  | Write a program in C# Sharp to find the last day of a week against a given date. | Test Data: Input the Day : 16 Input the Month : 06 Input the Year : 2016 *Expected Output* :  The formatted Date is : 16/06/2016  The last day of the week for the above date is: 18/06/2016 |
|  | Calculate salary for a month by calculating number of days in that month using DateTime and TimeSpan. Consider Rs. 500 / Day | Enter Month: 02  Enter number of leaves taken: 4  Salary: Rs. 12000 |