

```
//Laboratory Activity2
//Calendar Event Organizer
```

```
using System;
using System.Linq;
using System.Collections.Generic;
```

```
namespace HelloWorld;
```

```
public static class Activity2
{
```

```
    public static void Main()
    {
```

```
        string[] eventNames = new string[5];
        DateTime[] eventDates = new DateTime[5];
```

```
        for (int i = 0; i < 5; i++)
        {
```

```
            Console.Write("Enter event name: ");
            eventNames[i] = Console.ReadLine();
```

```
            DateTime date;
            bool valid;
```

```
            do
            {
```

```
                Console.Write("Enter date (MM/DD/YYYY): ");
                valid = DateTime.TryParse(Console.ReadLine(), out date);
```

```
                bool duplicate = false;
                for (int j = 0; j < i; j++)
```

```
                {
                    if (eventDates[j] == date)
                    {
                        duplicate = true;
                        break;
                    }
                }
```

```
            }
            if (duplicate)
            {
```

```
                valid = false;
                Console.WriteLine("Date already used. Try another.");
            }
```

```
        } while (!valid);
    }
```

```

        eventDates[i] = date;
    }
    for (int i = 0; i < 4; i++)
    {
        for (int j = i + 1; j < 5; j++)
        {
            if (eventDates[j] < eventDates[i])
            {
                DateTime tempDate = eventDates[i];
                eventDates[i] = eventDates[j];
                eventDates[j] = tempDate;

                string tempName = eventNames[i];
                eventNames[i] = eventNames[j];
                eventNames[j] = tempName;
            }
        }
    }
    Console.WriteLine("\nSorted Events:");
    for (int i = 0; i < 5; i++)
    {
        Console.WriteLine($"{eventNames[i]} - {eventDates[i].ToString("MM/dd/yyyy")}");
    }
}
}

```