

C# .Net Programming Assignment 12

- Create separate visual Studio project for each problem statement separately.
- For Business logic write separate class.
- Use Object Oriented concepts while writing the program.

1. Write a program which display calculated elapsed time of functions fun and gun.

```
using System;  
class Marvellous
```

```
{  
    public void fun()  
    {  
        int i = 0;  
  
        for (i = 0; i < 2000; i++)  
        {  
            Console.Write("\t {0}", i);  
        }  
    }  
  
    public void gun()  
    {  
        int i = 0;  
  
        for (i = 0; i < 1000; i++)  
        {  
            Console.Write("\t {0}", i);  
        }  
    }  
}
```

```
class Infosystems  
{  
    static void Main(string[] arg)  
    {  
        Demo obj = new Demo();  
        obj.fun();  
        obj.gun();  
    }  
}
```

**2. Write a program which accepts birthdate from user and calculate age.
If age entered by user is invalid then throw user defined exception.**

3. Write a program which accepts joining date from user and depends on experience display its designation.

If experience is less than one year then designation is Associate Software Engineer.

If experience is more than one year and less than three years then designation is Senior Software Engineer Level 1.

If experience is more than three year and less than five years then designation is Senior Software Engineer Level 2.

If age entered by user is invalid then throw user defined exception.

