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**Subject: EAD**

**Topic: Delegates and Events**

**Program: Software Engineering**

**Section: Morning**

**Batch: F19**

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## Task 1:

```
Program.cs  X
C# DelegateEvents  DelegateEvents.Program  Main
1  using System;
2
3  namespace DelegateEvents
4  {
5      public delegate String MyDelagate(String mydelegateString);
6      3 references
7      class Program
8      {
9          event MyDelagate myevent;
10         1 reference
11         public Program()
12         {
13             this.myevent += new MyDelagate(this.hi);
14         }
15         1 reference
16         public String hi(String name)
17         {
18             return "Hi, " + name;
19         }
20         0 references
21         static void Main(string[] args)
22         {
23             Console.WriteLine("Azka Noreen");
24             Console.WriteLine("BSEF19M502");
25             Program myProg = new Program();
26             String result = myProg.myevent("Azka Noreen");
27             Console.WriteLine(result);
28             Console.ReadKey();
29         }
30     }
31 }
```

C:\F:\Semester6\EAD\Home Tasks\HW10\DelegateEvent

```
Azka Noreen
BSEF19M502
Hi, Azka Noreen
_
```

## Task 2:

```
Events.Program
using System;
namespace Events
{
    public delegate void myDel();
    0 references
    class Program
    {
        public static event myDel Mevent;
        1 reference
        public static void Family()
        {
            Console.WriteLine("Family");
        }
        1 reference
        public static void Friends()
        {
            Console.WriteLine("Friends");
        }
        1 reference
        public static void ClassFellows()
        {
            Console.WriteLine("Class Fellows");
        }
        0 references
        static void Main(string[] args)
        {
            Console.WriteLine("Azka Noreen");
            Console.WriteLine("BSEF19M502");
            Mevent += new myDel(Family);
            Mevent += new myDel(Friends);
            Mevent += new myDel(ClassFellows);
            Mevent.Invoke();
            Console.ReadKey();
        }
    }
}
```

F:\Semester6\EAD\Home Tasks\HW10\Events\Events\bin\Debug\netcoreapp3.1\Events.exe

```
Azka Noreen
BSEF19M502
Family
Friends
Class Fellows

```