Namespace

Namespace

```
namespace System {
    Class1   Interface1
    Class2   Enum1
}
```

```
namespace System.IO {
    Class3   Interface2
    Class4   Enum2
}
```

System
- Class1
- Class2
- Interface1
- Enum1

System.IO
- Class3
- Class4
- Interface2
- Enum2

Spécifier en absolu un namespace

```
namespace DIP {
    Class Batiment   Class Economat
}
```

```
namespace DIP.Ecole {
    Class Professeur   Class Eleve
}
```

```
namespace MonProgramme {

    class Program {

        static void Main() {
          DIP.Batiment ternier = new DIP.Batiment();
          Console.WriteLine(ternier.Telephone);
        }

    }
}
```

Spécifier l'utilisation d'un namespace

```
namespace DIP {
    Class Batiment   Class Economat
}
```

```
namespace DIP.Ecole {
    Class Professeur   Class Eleve
}
```

```
using DIP;

namespace MonProgramme {

    class Program {

        static void Main() {
          Batiment ternier = new Batiment();
          Console.WriteLine(ternier.Telephone);
        }

    }
}
```

Inclusion dans le même namespace

```
namespace DIP {
```

Class Batiment | Class Economat

```
}
```

```
namespace DIP.Ecole {
```

Class Professeur | Class Eleve

```
}
```

```
namespace DIP {

    class Program {

        static void Main() {
          Batiment ternier = new Batiment();
          Console.WriteLine(ternier.Telephone);
        }

    }
}
```

Erreur de porté

```
namespace DIP {
```

Class Batiment | Class Economat

```
}
```

```
namespace DIP.Ecole {
```

Class Professeur | Class Eleve

```
}
```

```
namespace DIP {

    class Program {

        static void Main() {
          Batiment ternier = new Batiment();
          Console.WriteLine(ternier.Telephone);

          Professeur tournesol = new Professeur();
          Console.WriteLine(tournesol.Age);
        }

    }
}
```

Accès correcte

```
namespace DIP {
```

Class Batiment | Class Economat

```
}
```

```
namespace DIP.Ecole {
```

Class Professeur | Class Eleve

```
}
```

```
namespace DIP {

    class Program {

        static void Main() {
          Batiment ternier = new Batiment();
          Console.WriteLine(ternier.Telephone);

          DIP.Ecole.Professeur tournesol = new DIP.Ecole.Professeur();
          Console.WriteLine(tournesol.Age);
        }

    }
}
```

Accès correcte

```
namespace DIP {
```

Class Batiment | Class Economat

```
}
```

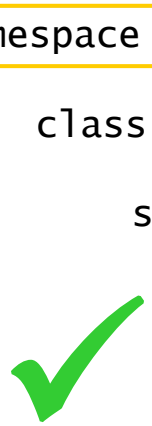
```
namespace DIP.Ecole {
```

Class Professeur | Class Eleve

```
}
```

```
using DIP.Ecole;

namespace DIP {

    class Program {

        static void Main() {
          Batiment ternier = new Batiment();
          Console.WriteLine(ternier.Telephone);

          Professeur tournesol = new Professeur();
          Console.WriteLine(tournesol.Age);
        }

    }
}
```

Porté hiérarchique



```
namespace DIP.Ecole {

    class Program {

        static void Main() {
          Batiment ternier = new Batiment();
          Console.WriteLine(ternier.Telephone);

          Professeur tournesol = new Professeur();
          Console.WriteLine(tournesol.Age);
        }

    }
}
```

```
namespace DIP {

    class Program {

        static void Main() {
          Batiment ternier = new Batiment();
          Console.WriteLine(ternier.Telephone);

          Professeur tournesol = new Professeur();
          Console.WriteLine(tournesol.Age);
        }

    }
}
```