

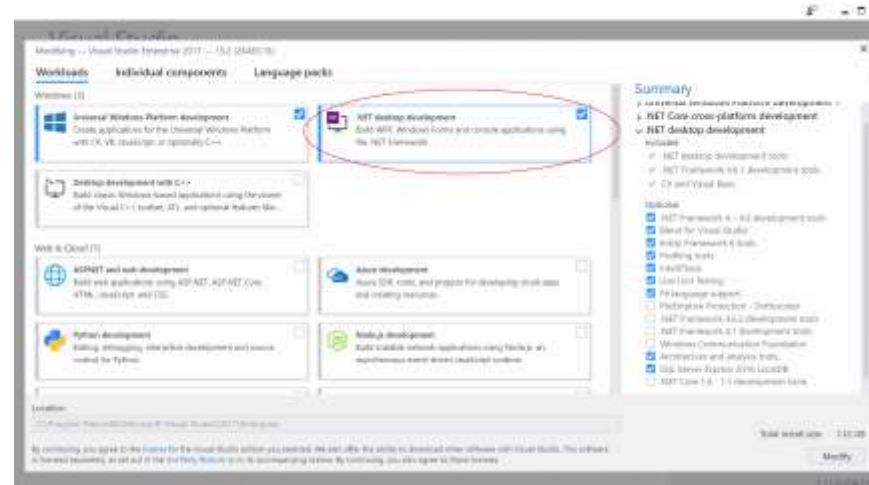
# <https://www.visualstudio.com/xamarin/>

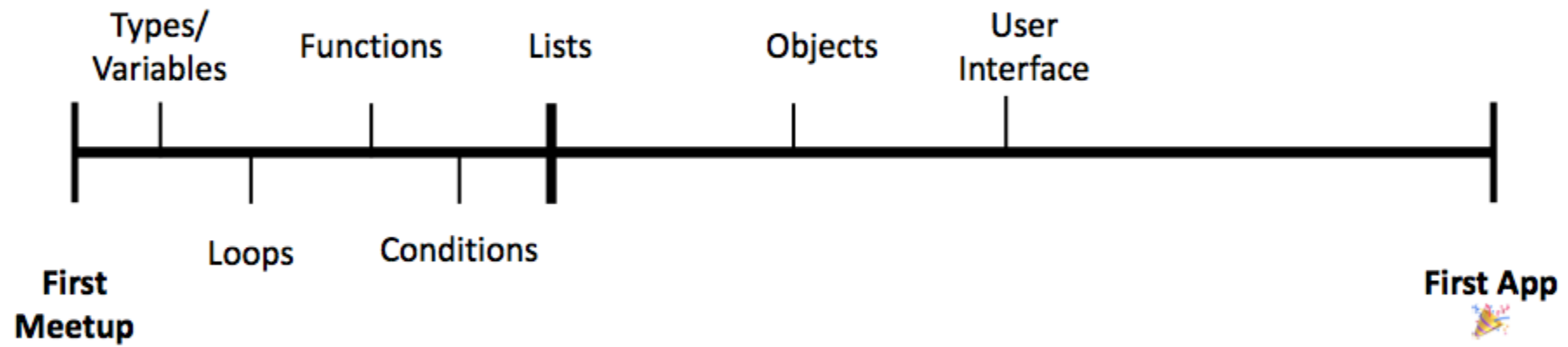
## Visual Studio and Xamarin

Deliver native Android, iOS, and Windows apps, with a single shared C# code base.

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The image shows the Xamarin logo, a white hexagon with a black 'X', positioned to the left of three mobile devices (two smartphones and one tablet) connected by lines, suggesting cross-platform development.

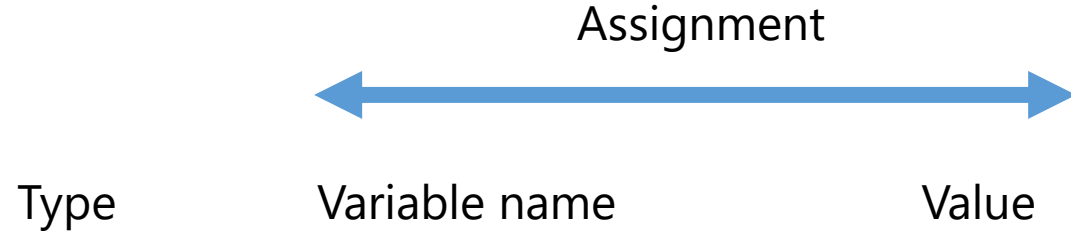


Type

Variable name

Value

```
string name = "Vera";
```



```
string name = "Vera";
```

Assignment



Type

Variable name

Value

```
string name = "Vera";
```



Statement (ends with semicolon)

Type	Variable name	Value
------	---------------	-------

```
int age = 50;
```

Type      Variable name      Value

```
int age = 50;  
age = age + 1;
```

Operator

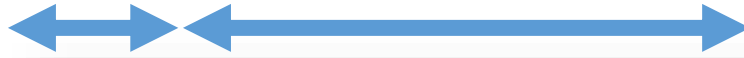
```
int year = 2017;

if (year == 2017)
{
    Console.WriteLine(year + " is the current year");
}
else
{
    Console.WriteLine(year + " is NOT the current year");
}
```



keyword

condition



```
if (year == 2017)
```

```
{
```

```
}
```

```
else
```

```
{
```

```
}
```

If so



If not



Function

Parameters



```
Console.WriteLine("Hello, your age is " + age);
```

Function

Parameters between ( )



```
Console.WriteLine("Hello, your age is " + age);
```

C:\WINDOWS\system32\cmd.exe

```
Hello, your age is 51  
Press any key to continue . . .
```

Time to type

```
string name1 = "Vera";  
string name2 = "Chuck";  
string name3 = "Dave";
```

```
int salary1 = 500;  
int salary2 = 1500;  
int salary3 = 2500;
```

```
Console.WriteLine(name1 + " makes " + salary1 + " per year");  
Console.WriteLine(name2 + " makes " + salary2 + " per year");  
Console.WriteLine(name3 + " makes " + salary3 + " per year");
```

```
Console.WriteLine(name1 + " makes " + salary1 + " Euro per year");  
Console.WriteLine(name2 + " makes " + salary2 + " Euro per year");  
Console.WriteLine(name3 + " makes " + salary3 + " Euro per year");
```

```
static void PrintSalary(string name, int salary)
{
    Console.WriteLine(name + " makes " + salary + " Euro per year");
}
```

```
PrintSalary(name1, salary1);
PrintSalary(name2, salary2);
PrintSalary(name3, salary3);
```

TO DO

- \_\_\_\_\_
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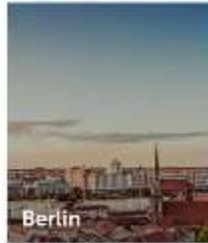






# Cities

Finde uns in Deiner Stadt



Berlin



Frankfurt



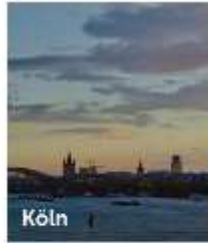
Hamburg



München



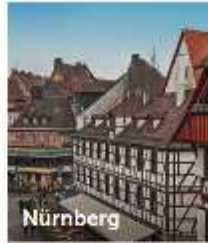
Düsseldorf



Köln



Stuttgart



Nürnberg



Bonn



Hannover



Essen



Wiesbaden



Bremen



Mainz



Dresden

Bestelle jetzt



**Beets&Roots**

€€ • Bio • Vegan • Gesundes Essen  
• Veganes Essen



**Chicken Buzz**

€ • Fingerfood • Fleisch • Amerikanisch  
• Asiatisch



**MA' LOA Poké Bowl**

€€ • Fisch • Meeresfrüchte • Dessert  
• Gesundes Essen • Veganes Essen



**Risa Chicken**

€ • Fingerfood • Fleisch • Itali  
• Pommes • Amerikanisch



**Habba Habba**

€€ • Griechisch • Vegan  
• Gesundes Essen • Milchloslich



**Nihombashi**

€€€ • Fingerfood • Fisch • Asiatisch  
• Japanisch • Sushi



**Chipi Chipi Bombón**

€ • Kuchen • Dessert • Discreme



**McDonald's - Berlin**

€ • Fingerfood • Pommes  
• Amerikanisch • Burger



**Tibet Haus**

€€ • Curry • Fleisch • Asiatisch  
• Thaiändisch • Veganes Essen



**Kuchi Mitte**

€€€ • Scharf • Japanisch • Sushi



**Aki Tatsu Kantstraße**

€ • Asiatisch • Sushi



**Corn Á**

€ • Fingerfood • Sushi • Thaiändisch  
• Vietnamesisch



**Santa Maria**

€€€ • Fingerfood • Fleisch • Taco  
• Mexikanisch



**1990 Vegan Living**

€€ • Vegan • Asiatisch  
• Veganes Essen • Vietnamesisch



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€ • Fastfi • Fleisch • Burger  
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- Getränke
- Alkoholfrei
- Catering

\*\*\* SALADS \*\*\*



**Tapas**

Mix-Salat, Salsa-Dressing, Pimientos de Padrón, Datteln, Mandarinen



7,90 €



**Californian**

Mix-Salat, Koriander-Joghurt-Dressing, Avocado, Mais, Bohnen, Paprika, Nudeln



7,90 €



**Shrek**

Mix-Salat, Hummus-Dressing, Avocado, Edamame-Orz, Gurke



7,90 €



**Fatalel**

Salamis, Orz, Feta, Schafkäse, Cranberry-Rohkost, Sesam, Cashewöl, Tandoori-Lentils, Joghurt-Dressing



7,90 €



**Caesar Salad**

Romanasalat, Parmesan, Caesar-Dressing, Ananas, Croutons, Zitronen-Lime

Linked List (Likely to change in size)

0

1

2

3

4

5



## U5



ARRAY (unlikely to change in size)

## Bauarbeiten an der U-Bahnlinie 5



Creates a new Array

```
using System;

namespace ListTest
{
    class Program
    {
        static void Main(string[] args)
        {
            string name1 = "Vera";
            string name2 = "Chuck";
            string name3 = "Dave";

            int salary1 = 5100;
            int salary2 = 1500;
            int salary3 = 2500;

            PrintSalary(name1, salary1);
            PrintSalary(name2, salary2);
            PrintSalary(name3, salary3);
        }

        static void PrintSalary(string name, int salary)
        {
            Console.WriteLine(name + " makes " + salary + " Euro per year");
        }
    }
}
```



```
List<string> names = new List<string>();
List<int> salaries = new List<int>();

names.Add("Vera");
names.Add("Chuck");
names.Add("Dave");

salaries.Add(5500);
salaries.Add(345);
salaries.Add(2100);

PrintSalary(names[0], salaries[0]);
PrintSalary(names[1], salaries[1]);
PrintSalary(names[2], salaries[2]);
```

C:\WINDOWS\system32\cmd.exe

```
Vera makes 5500 Euro per year
Chuck makes 345 Euro per year
Dave makes 2100 Euro per year
Press any key to continue . . .
```

```
for (int i = 0; i < 3; i++)  
{  
    PrintSalary(names[i], salaries[i]);  
}
```

C:\WINDOWS\system32\cmd.exe

```
Vera makes 5500 Euro per year  
Chuck makes 345 Euro per year  
Dave makes 2100 Euro per year  
Press any key to continue . . .
```

C:\WINDOWS\system32\cmd.exe

```
Vera makes 5500 Euro per year
Chuck makes 345 Euro per year
Dave makes 2100 Euro per year
Press any key to continue . . .
```

```
names.Add("Vera");
names.Add("Chuck");
names.Add("Dave");
```

```
salaries.Add(5500);
salaries.Add(345);
salaries.Add(2100);
```

```
names.Add("Paul");
salaries.Add(3445);
```

```
for (int i = 0; i < 3; i++)
{
    PrintSalary(names[i], salaries[i]);
}
```

```
for (int i = 0; i < names.Count; i++)  
{  
    PrintSalary(names[i], salaries[i]);  
}
```