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

Type   Variable name   Value

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

Assignment

Type   Variable name   Value
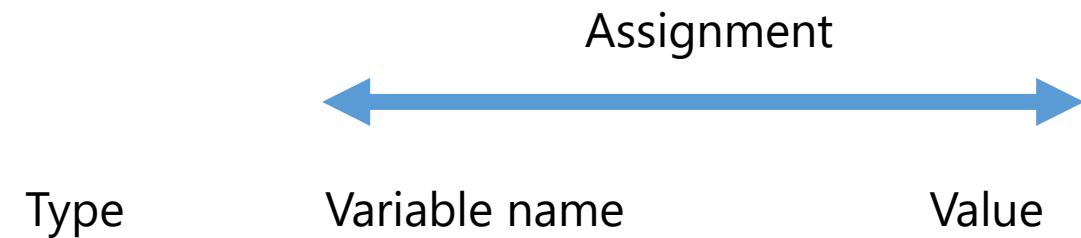
```
string name = "Vera";
```

Statement (ends with semicolon)

```
int age = 50;
```
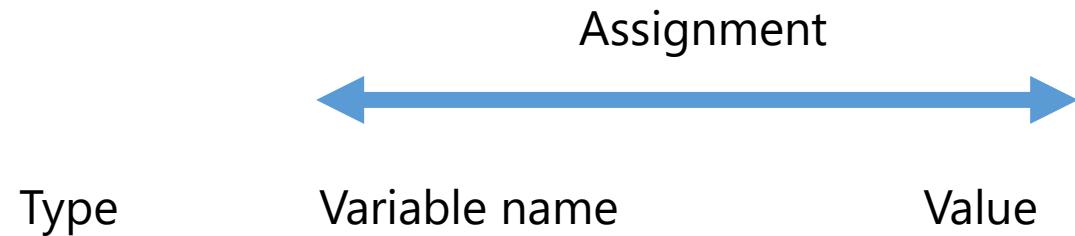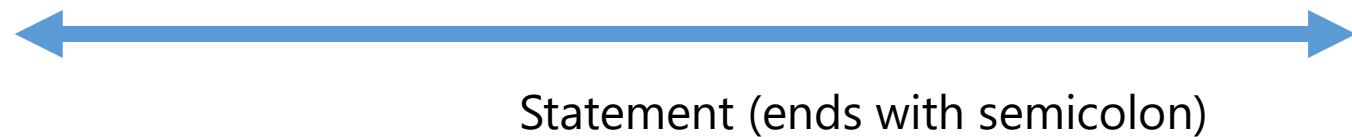
Type   Variable name   Value

```
int age = 50;
```

Type   Variable name   Value

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

Operator

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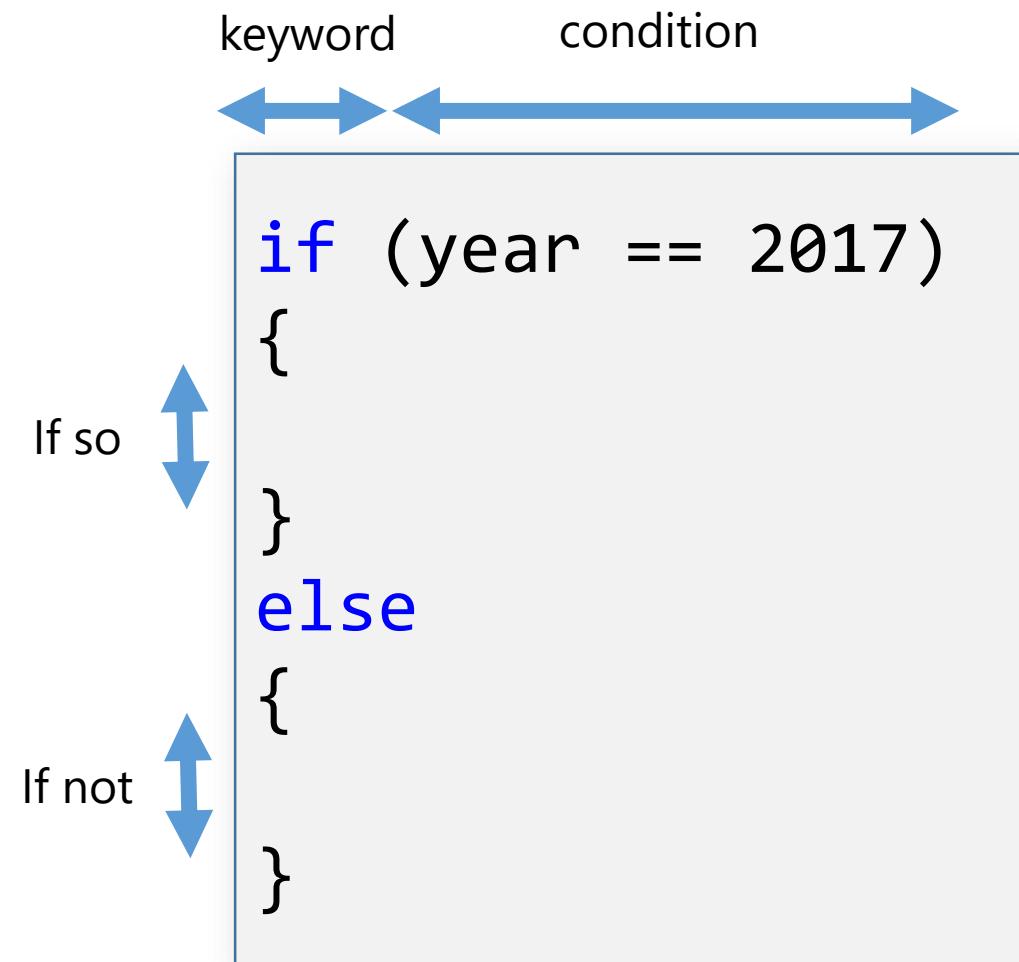
```
Console.WriteLine("Hello, your age is " + age);
```

C:\WINDOWS\system32\cmd.exe

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

TO DO

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Bread
Milk
Eggs
Fruit
Rice
Pasta
Butter
Juice
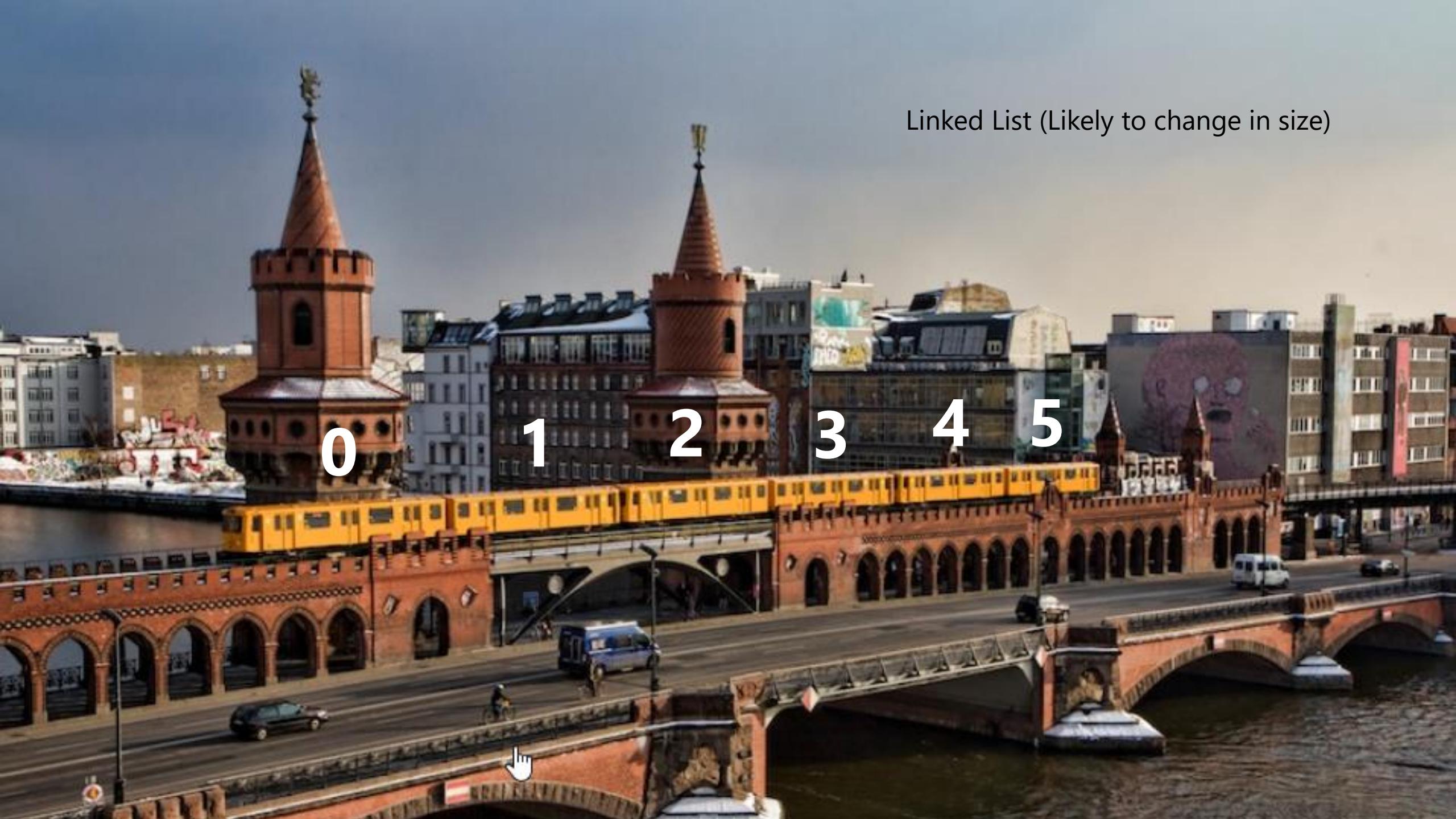
Linked List (Likely to change in size)

0 1 2 3 4 5

```csharp
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");
        }
    }
}
```

Time to type

```csharp
static void Main(string[] args)
{
    List<double> salaries = new List<double>();

    salaries.Add(45000);
    salaries.Add(20000);
    salaries.Add(55000);
    salaries.Add(7000);
    salaries.Add(80000);

    double sum = SumUpSalaries(salaries);
    Console.WriteLine("Sum: " + sum);

    double avg = AverageSalary(salaries);
    Console.WriteLine("Average: " + avg);
}

static double SumUpSalaries(List<double> salaries)
{
    double result = 0.0;
    for (int i = 0; i < salaries.Count; i++)
    {
        result = result + salaries[i];
    }
    return result;
}

static double AverageSalary(List<double> salaries)    ⬅ Homework!!!!
{                                                        Hausafgaben!!!!
    return 0.0;                                          Huiswerk!!!!
}
```