

Day 45

18/04/2025

Static class (single instance)

```
public static class Login {
```

// only static method.

// only static variable

// only static constructor

// everything is static.

* we don't create object for static class.

* Static class does not have parameterised constructor.



* we access the class using the class name directly

* memory allocation happen only one time when class name is called for the first time and go to the constructor to do memory allocation.

* no Automatic Garbage collection
in static class.

extension method

we do this method
inside a static
class (any static
method class);

 - Normal method.
 → extension method

```
ArrayList AL = new ArrayList();  
AL.check("Hi");  
public static boolean check (this ArrayList ar,  
                                String name)  
{  
    if (ar.contains(name)) create this method in the  
        ArrayList )  
{  
    return true  
    }  
else  
{  
    ar.add (name) [ custom extension  
    return false  
    }  
}
```


Extension for string class

```
public static int to int at (this string str)  
{  
    return convert.int36(str);  
}  
string a = "2";  
int num = a.toInt();
```

* if we use this before a (string
of int etc) it will become
extension method (example)