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“Static Methods” & “Static Nested Class” in Java

=> static methods :-

-> If we use static keyword before method, then it is static method

-> Instance methods belong to an instance (object) but static methods belongs to the class

-> Syntax : static access-modifier return-type
methodName()

{

}

=> Points to remember :-

-> We can only access static members within the static method

-> We cannot use this or super keyword in static methods

-> We cannot create static constructor

=> Why main method is static ?

Main method is static because JVM can call main method without creating an object.

=> Static Nested Class :-

-> If we create static nested class within another class, it is known as static nested class

-> Example :-

```
class Outer
```

```
{
```

```
    static class Inner
```

```
    {
```

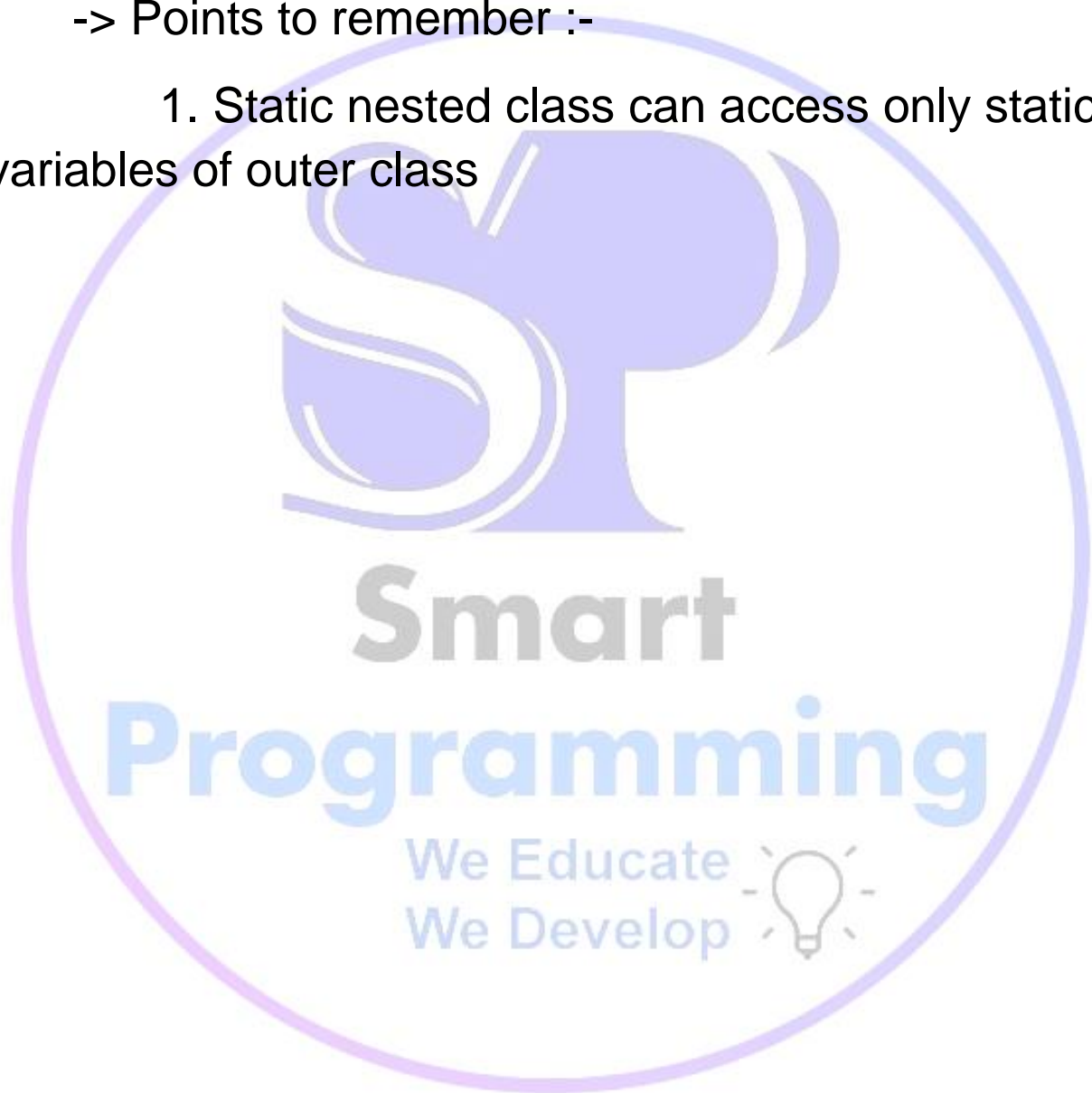
```
    }
```

```
}
```

-> Outer class cannot be created as static class

-> Points to remember :-

1. Static nested class can access only static variables of outer class



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