

METHOD TYPE

An **abstract class** can have both abstract (methods without body) and non-abstract (methods with a body) methods.

In **Interface**, we can only have Abstract methods. Interface can also have static and default methods.

An **abstract class** can be declared as follows:

```
public abstract class school{  
    public abstract void classes();  
    public abstract void strength(); }
```

SYNTAX

Whereas **Interface**, can be declared as follows :

```
public interface shape{  
    void draw_rect();  
    void draw_square();}
```

When To Use

When some classes need to share few lines of code then we can put these code in an **abstract class** and extend by all related classes

When we need to achieve multiple inheritance, full abstraction by implementing all methods declared in an **interface** by a class which implements the interface

An **abstract class** can provide the implementation of all abstract methods in the interface

Whereas in the **interface** we can't provide the implementation of an abstract class

IMPLEMENTATION

VARIABLE TYPE

An **abstract class** can call types of variable i.e. Final, non-final, static,non-static, private,public,etc.

Whereas **interface** can have only public, static, and final variables.

INTERFACE VS ABSTRACT