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Abstract Classes

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Abstract Classes

- Abstract class is a parent class, for which, we can't create object; but we can create child classes.
- Abstract class can contain all types of members (fields, properties, methods, constructors etc.).
- We can't create object for abstract class; but we can access its members through child class's object.
- Use Abstract class concept, for the classes, for which, you feel creating object is not meaningful.

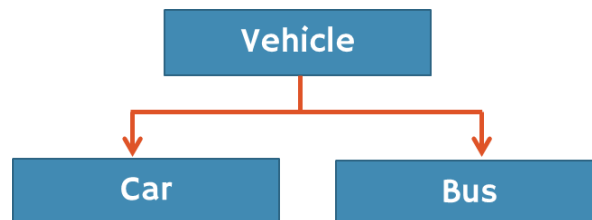
Parent Class [Abstract Class]

```
abstract class AbstractClassName
{
    Abstract Class Members here
}
```

Child Class of Abstract Class

```
class ChildClassName : AbstractClassName
{
    Child Class Members here
}
```

Example:



Class (vs) Abstract Class - Inheritance and Object

Class Type	Can Inherit from Other Classes	Can Inherit from Other Interfaces	Can be Inherited	Can be Instantiated
Normal Class	Yes	Yes	Yes	Yes
Abstract Class	Yes	Yes	Yes	No

Class (vs) Abstract Class - Members

[illegible]