## Pure class based inheritance achieved through

## **Modules**

Fish and Mammal come under category of Animal but fish can swim and a few of mammals can also swim, so include swim method in those classes which can achieve swimming.

```
module Swim
  def swim
   "I can swim!"
  end
end

class Animal; end

class Fish < Animal
  include Swim
end

class Mammal < Animal
end</pre>
```

```
class Cat < Mammal</pre>
end
class Dog < Mammal</pre>
  include Swim
end
And now Fish and Dog objects can swim, but objects of other classes
won't be able to:
dog = Dog.new
fish = Fish.new
cat = Cat.new
dog.swim
=> "I can swim!"
fish.swim
=> "I can swim!"
cat.swim
NoMethodError: undefined method `swim' for #<Cat:0x00000001546180>
     from (irb):48
```