

## Copy constructor

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A constructor having a reference parameter of it's class type as first argument is known as a copy constructor.

What does it do?

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When an object is declared for the very first time and it gets initialized with the help of another object of it's own type, the copy constructor is called to initialize this object.

When a copy constructor is called?

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- When an object is passed as an argument to a function by value.
- When an object is returned from a function by value.
- When an object is thrown.
- When an object is caught.

Syntax

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```
<class name>(<class name> &<var name>);  
<class name>(const <class name> &<var name>);  
A(A &copy);  
A(const A &copy);
```