

C++ in depth

Destructor



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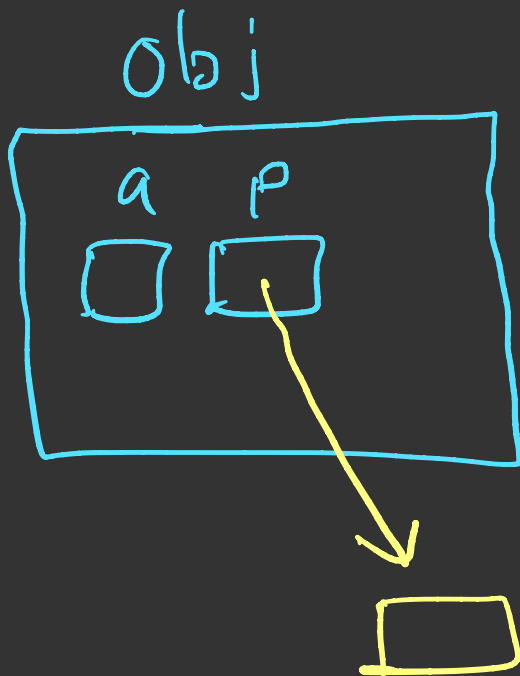
Agenda

- ① Destructor
- ② Implicit Destructor

Destructor

- Destructor is a special member of the class whose name is same as the name of the class but preceded with a tilde (~) Symbol.
- Destructor has no return type
- Destructor takes no argument therefore overloading of destructor is not possible.
- Destructor is an instance member

- Destructor is invoked implicitly when object is about to destroy.
- The job of destructor should be to free up the memory resources handled by the object.



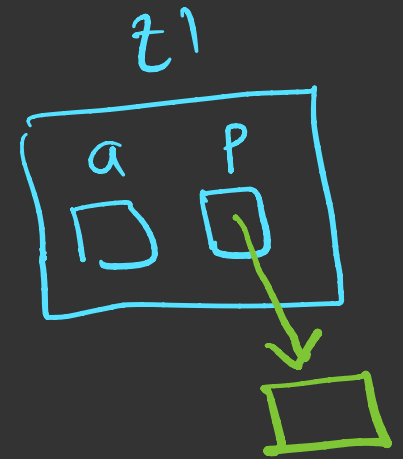
```
class Test  
{
```

```
    int a;  
    int *p;
```

≡

```
};
```

```
Test t1;
```



Implicit Destructor

In the absence of explicit destructor, Compiler defines an implicit destructor in the class.