41 - The "this" keyword in C++

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- - Only accessible to us throu a member function
 - which is a method that belongs to a class
- This is a pointer to the current object instance that the method belongs to
 - o we write a non static method
 - o instantiate an onject
 - o call the method
 - The this keyword is a pointer to that object
- · We can't reassign this to anything else

```
class Entity41
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481
              Entity41(int x, int y)
486
487
                  // if we call as usual we would have a problem, because the name i the same
488
                  // we reference the x annd y that is member of the class, we can use this.
                  this->x = x;
493
                  this->y = y;
495
                  PrintEntity41(this);
497
              int GetX() const{
                  // Whith the const definition, we can't modify anything in the class, so
504
                  const Entity41* e = this;
                  return e->x;
                  // return this->x;
510
511
      void PrintEntity41(Entity41* p)
512
513
          // print something
```