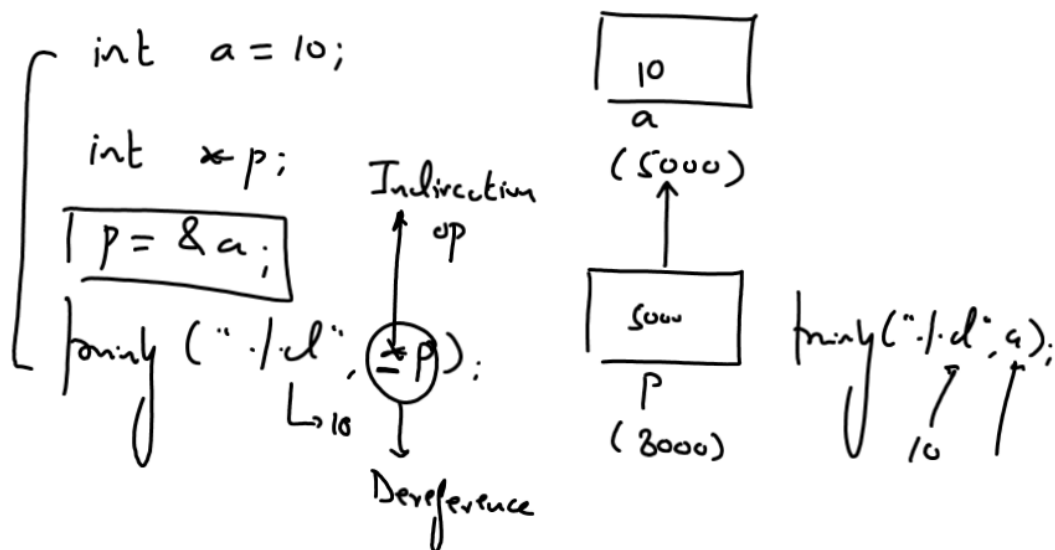


# Dereferencing And Indirect Addressing



## Syntax / Run Time Errors In Pointers

① int a = 10;

int p;

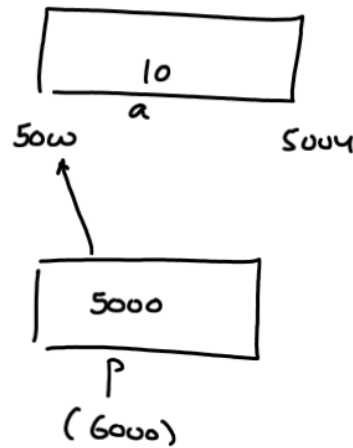
X p = &a;

Variable cannot store address

② `int a = 10;` ✓

```
char *p;  
p = &a;
```

`printf("%i", *p);`



{Data type of pointer should be same as data type of var}

③ `int a = 10;`

`int *p;`

`p = a;` ✗

④ ✓ `int a = 10;`

`int *p;`

`*p = a;` ?

Wild Pointer



⑤ int a = 10;

int \*p;

int \*q;

✓ p = &a;

X q = &p;

⑥ int a = 10;

int \*p;

int \*\*q;

✓ p = &a;

✓ q = &p;

printf("%d", a); → 10

printf("%d", \*p); → 10



printf("%d", \*\*q); → 10

