

Int x



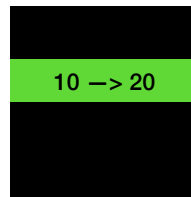
Address of x : 10000

Int y



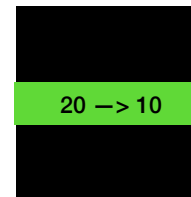
Address of y : 20000

Int a



Address of a : 40000

Int b



Address of b : 50000

```
Int main() {
```

```
Int x= 10;
```

```
Int y = 20;
```

```
swap_val (x , y); # pass the value of x and y to function swap_value
```

```
printf("%d %d", a, b)
```

```
Void swap_value (int a, int b) {
```

```
a -->10. # a contains value 10
```

```
b --> 20 # b contains value 20
```

```
&a --> 40000 # address of variable a is 40000
```

```
&b --> 50000 # address of variable b is 50000
```

```
a = 20; # This assignment replaces value 10 by 20 at address 40000
```

```
b = 10; # This assignment replaces value 20 by 10 at address 50000
```

```
}
```