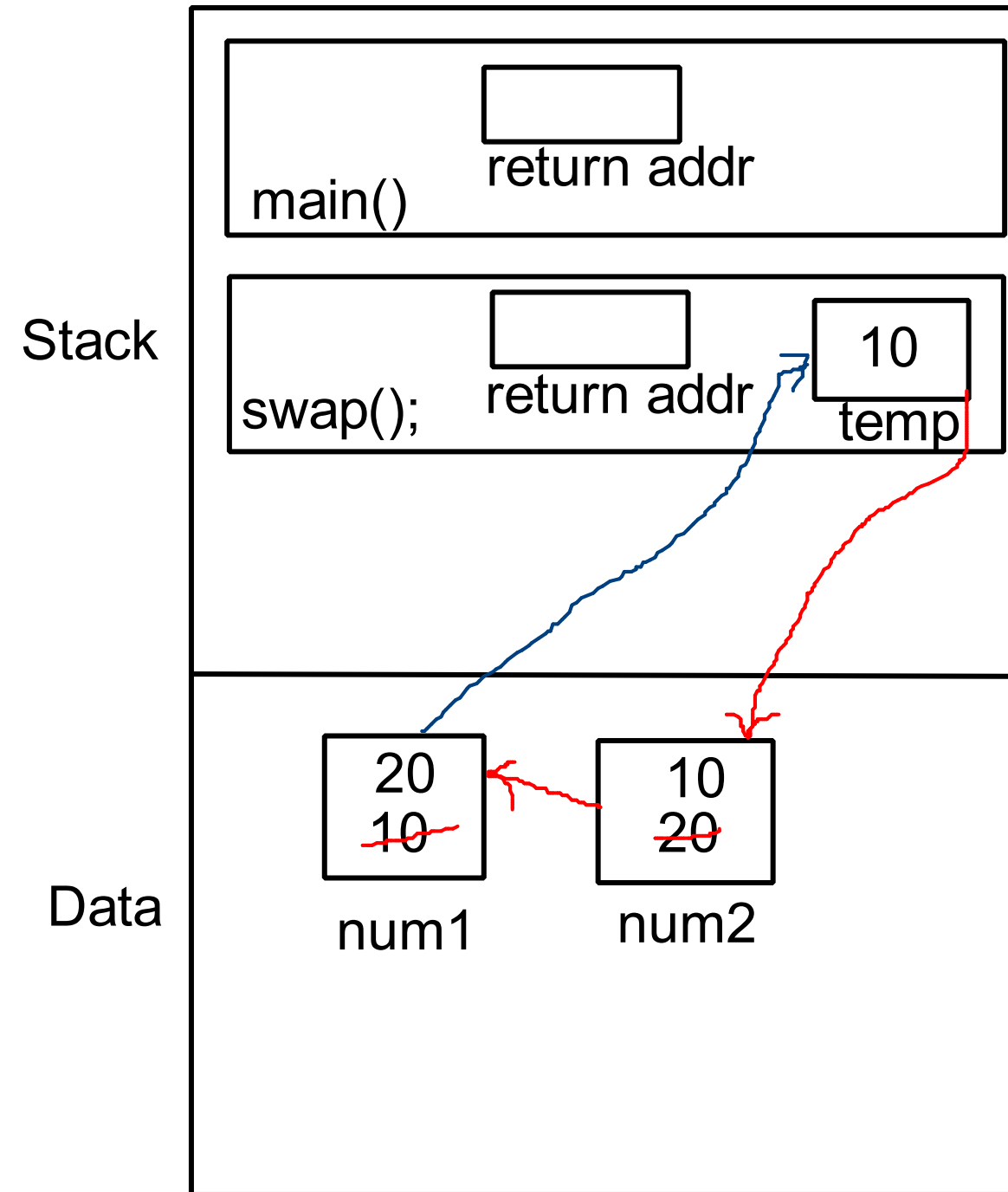
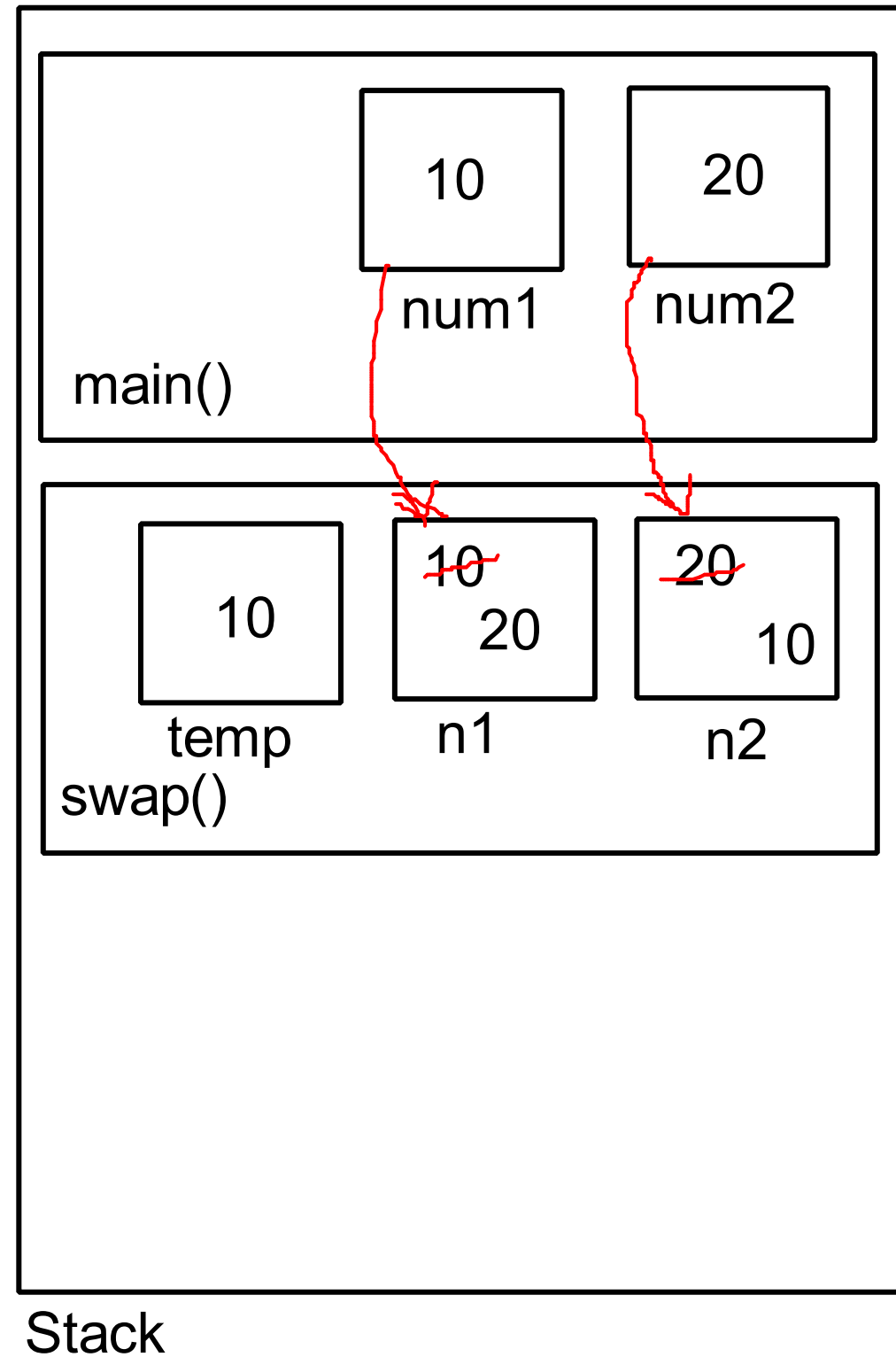
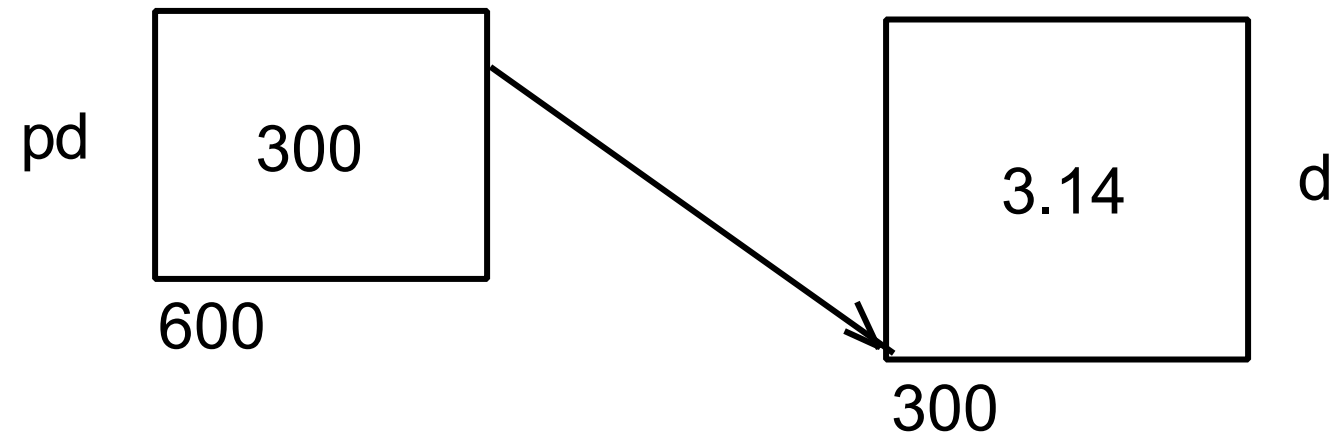
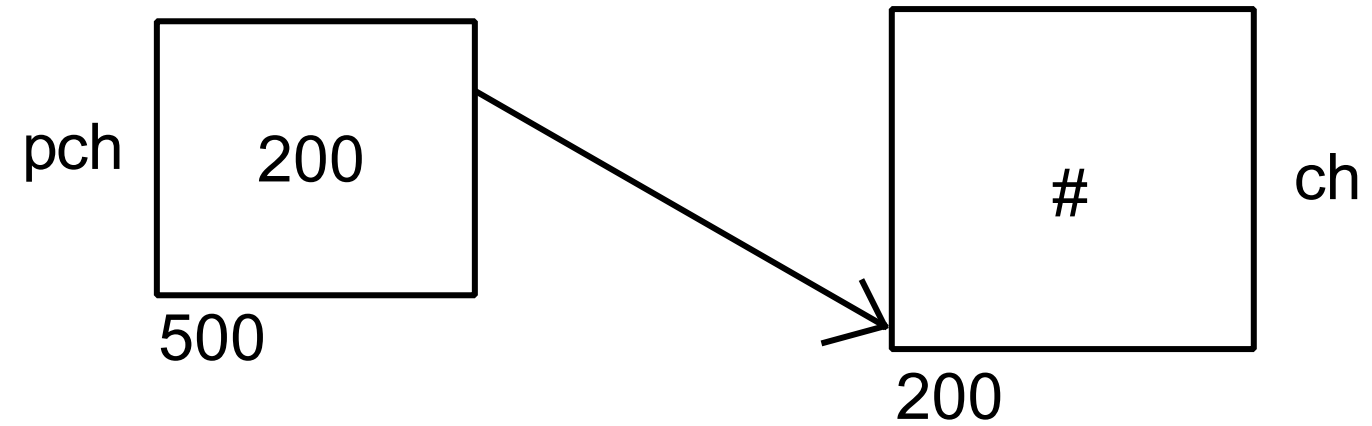
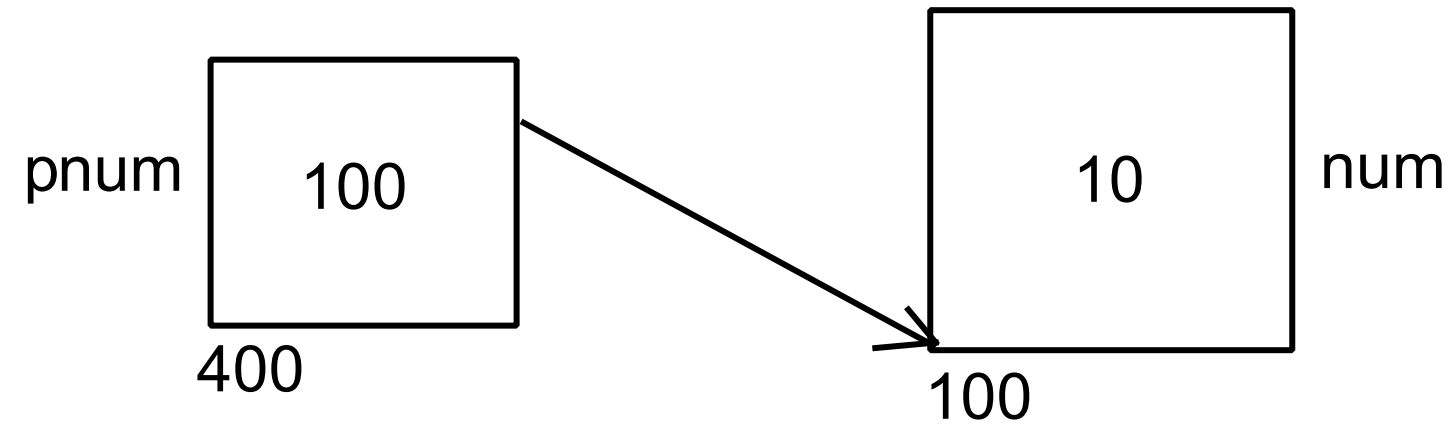


- Here num1 and num2 are global variables
- num1 and num2 will be stored in data section
- main() and swap() both are accessing same copy of num1 and num2



- num1 and num2 are local variables of main()
- same variables are not accessible in swap()
- we have passed both variables to swap() function
- whatever changes are done, those changes are not reflected back in num1 and num2





$*pnum = *100 = 10$

$*pch = *200 = \#$

$*pd = *300 = 3.14$

```
int temp = *pnum1; // temp = *100 = 10  
*pnum1 = *pnum2; // *100 = *200 = 20  
*pnum2 = temp; // *200 = 10
```

1. if you want to modify value of any local variable into another function at that time pointer variable can be used

