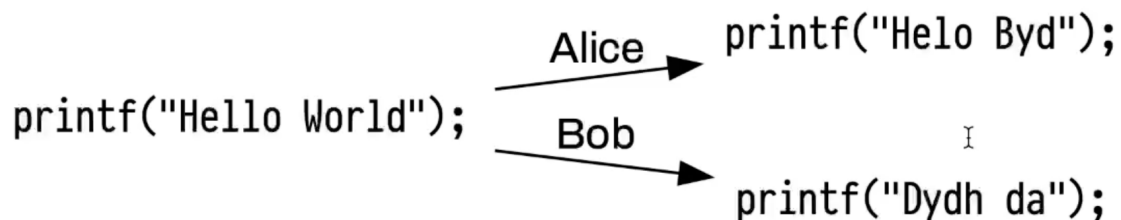




Merge Conflicts

What happens if two people change the same lines of code in the same file?

e.g.



this would result in a merge conflict if they attempt a merge:

```
$ git merge bob/main  
Auto-merging coursework.c  
CONFLICT (content): Merge conflict in coursework.c  
Automatic merge failed; fix conflicts and then commit the result.
```

Fixing conflicts

- so git has discovered that there are two sets of changes to the same file and it cant work out which is the one to go with

if we open up the file in question, git will have added some extra information noting each branch names:

```
int main(void) {  
<<<<<<< HEAD  
    printf("HeLo Byd\n");  
=====  
    printf("Dydh da\n");  
>>>>>>> bob/main  
    return 0;  
}
```

Don't simple delete one side of this conflict

- this is fireable offence in many jobs (you have just erased someones work..)

Fix up the file and then run git add . → git commit