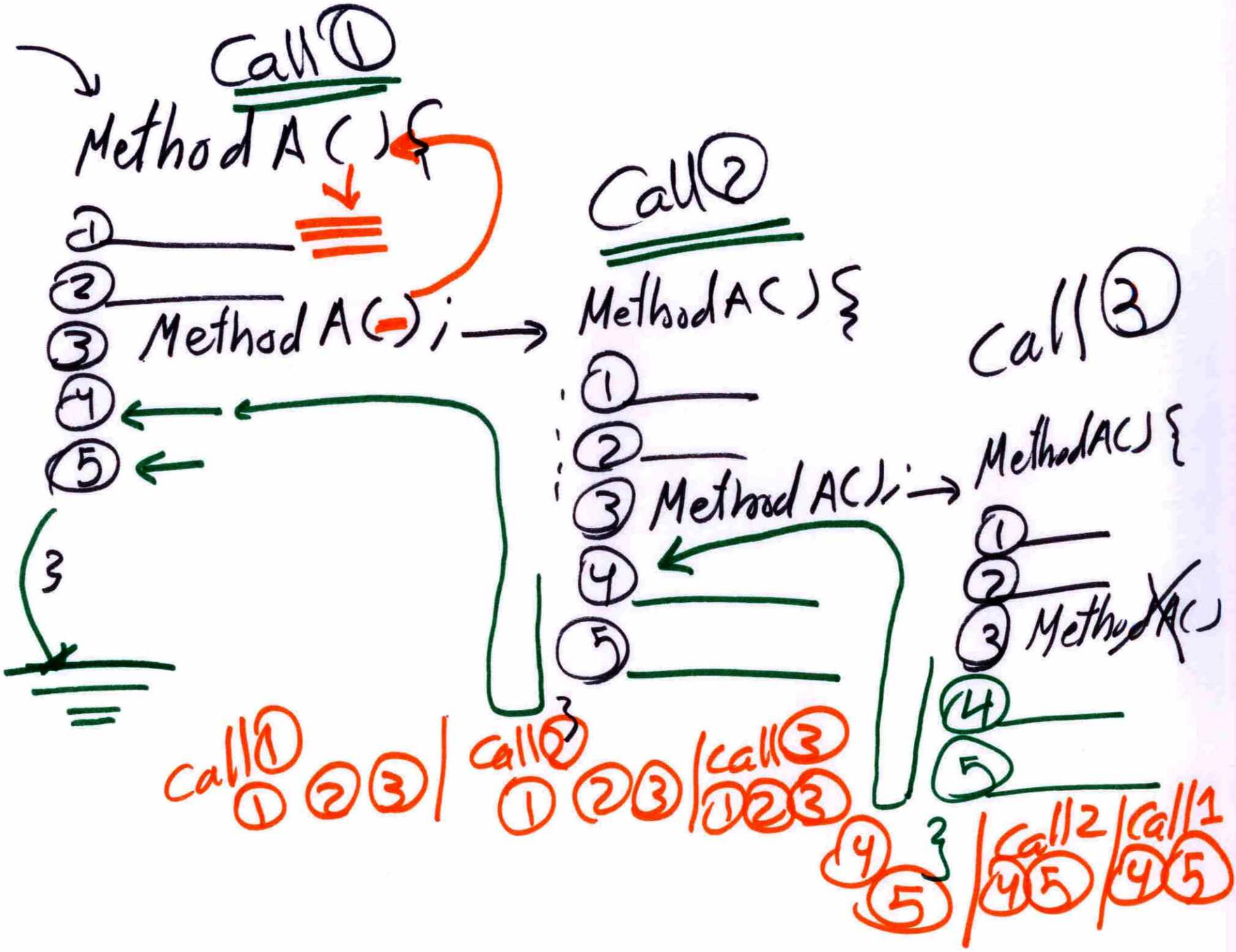
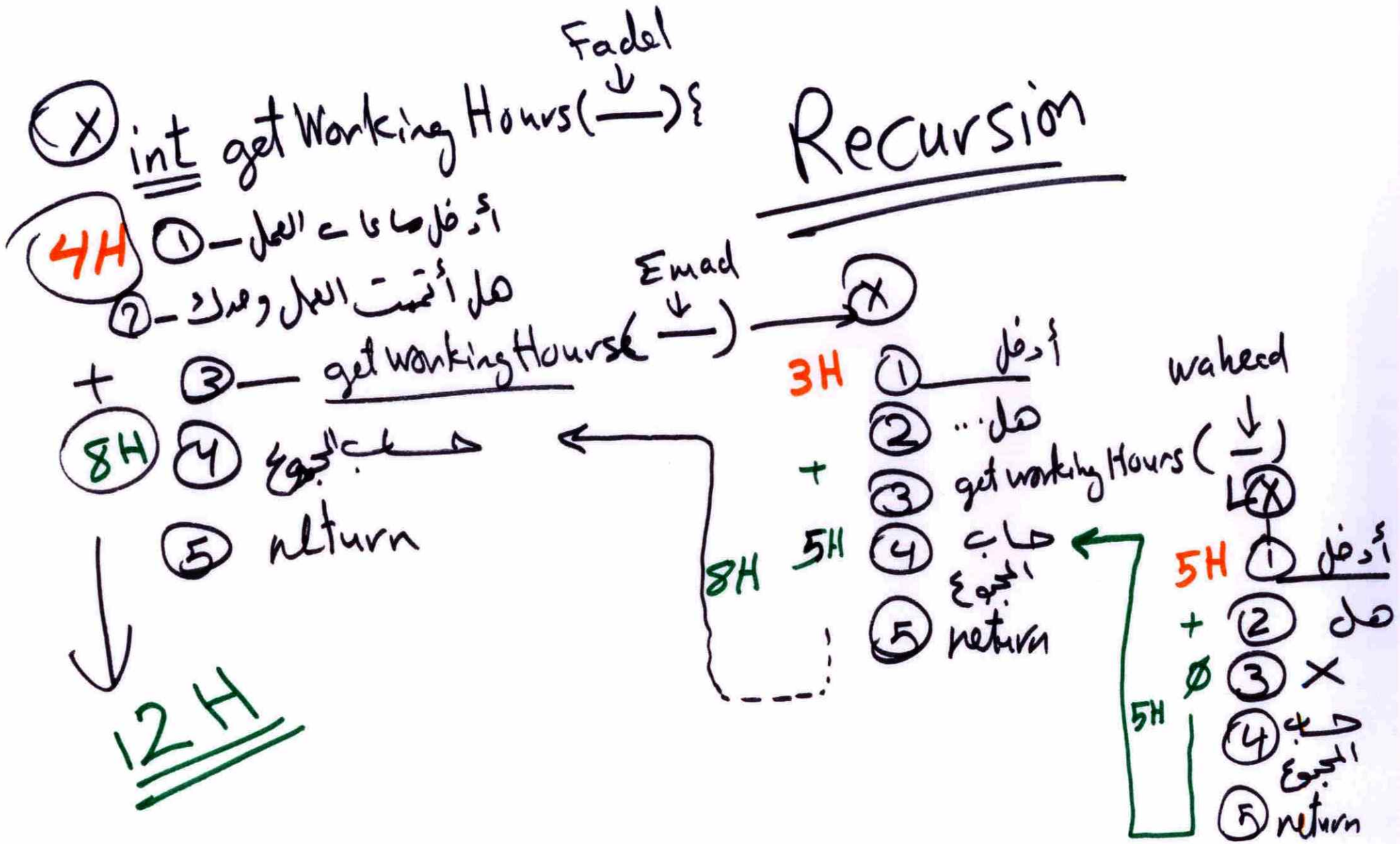
Recursion

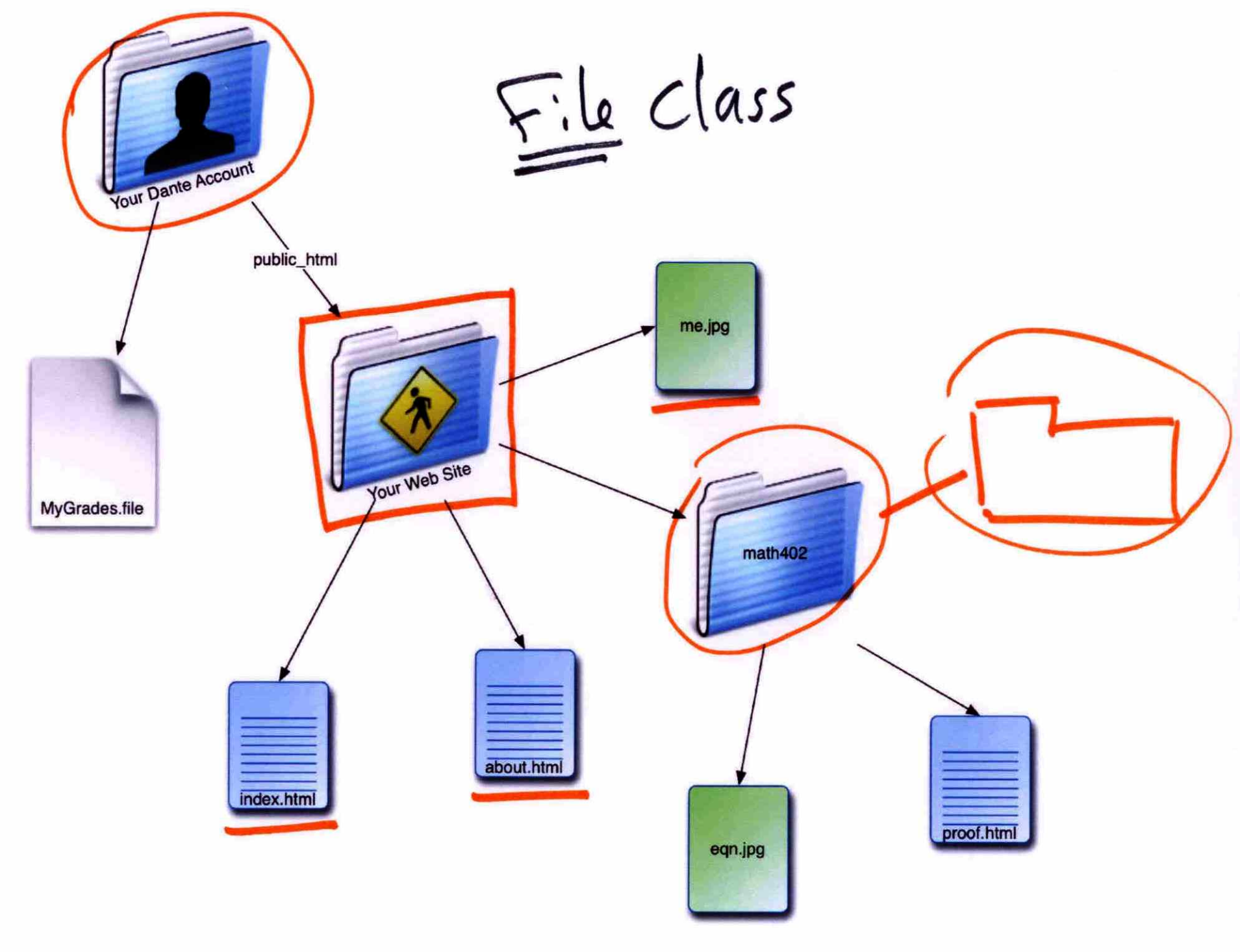
With File Class Example

FadelK


Call 1
Method A() {
1
2
3
4
5
Method A();
3
Call 2
Method A() {
1
2
3 Method A();
4
5
Call 3
Method A() {
1
2
3 Method A()
4
5
call 1
1 2 3
call 2
1 2 3
call 3
1 2 3
4 5 3
call 2
4 5
call 1
4 5

Recursion


Fadel
X int getWorkingHours(—){
4H ① أدخل ساعات العمل
② هل أنهيت العمل ومدك
+ ③ getWorkingHours(—)
8H ④ حساب المجموع
⑤ return
12H
Emad
X
3H ① أدخل
② هل..
+ ③ getWorkingHours(—)
5H ④ حساب المجموع
⑤ return
8H
Wahed
X
5H ① أدخل
+ ② هل
Ø ③ X
④ حساب المجموع
⑤ return
5H


File class
Your Dante Account
public_html
MyGrades.file
Your Web Site
me.jpg
math402
index.html
about.html
eqn.jpg
proof.html

```
import java.io.File;
public class Recursion {

 public static void listRecursive(File dir) {
  if (dir.isDirectory()) {
   File[] items = dir.listFiles();
   for (File item : items) {
     System.out.println(item);
   }
  }
 }

 public static void main(String[] args) {
    File dir = new File("E:\\test\\myFiles");
    .listRecursive(dir);
 }
}
```

Recursively list directory content

- Recursively list the contents of a directory (similar to Unix's "ls -r" command or Windows "dir /s").

```
public static void listRecursive(File dir) {
 if (dir.isDirectory()) {
  File[] items = dir.listFiles();
  for (File item : items) {
    System.out.println(item);
     if (item.isDirectory())
       listRecursive(item);
  }
 }
}
```

```
import java.io.*;
public class Recursion {
 public static void listRecursive(File dir) {
  if (dir.isDirectory()) {
   File[] items = dir.listFiles();
   for (File item : items) {
    System.out.println(item);
    if (item.isDirectory())
     listRecursive(item);
   }
  }
 }
 public static void main(String[] args) {
  File dir = new File("E:\\YourDir");
  Recursion.listRecursive(dir);
 }
}
```