

package: \* It is a collection of similar classes & interfaces.  
 \* It is actually a folder in our project or application.  
 \* In terms of IT industry, we call it a package

package === folder

Industry Std for package: { TCS | ICICI | Login | Login.java }

com. company\_name . project\_name . module\_name . file\_name . java ;

com.tcs . icici . login . Login.java ;  
 file → Login.java

Jagged Array: 2D array with rows of unequal length

{ for each loop | enhanced for loop }

SYNTAX  
 for ( data-type var : collection ) {  
 statements ;  
 }

{ Access Modifier Table } For Placement Interviews

Name	Inside Class	Outside Class	Inside Package	Outside Package
public	Yes	Yes	Yes	Yes
private	Yes	No	No	No
protected	Yes	Yes	Yes	Yes (Inheritance)
{p <sup>2</sup> } default (not a keyword)	Yes	Yes	Yes	No

p<sup>2</sup> = package private

\* Note : In C++ if we don't mention anything, then the compiler assigns the "private" access specifier.

In Java if we don't mention anything, then the compiler assigns the "default" access modifier.  
 { package private }

\* Recursion → function calling itself until a base condition is reached.

func() {  
 func();  
 }  
 fibonacci  
 factorial  
 (1 to N)  
 → Backtracking  
 → Dynamic Programming

print(s) {  
 (n==0) return  
 print(n-1);  
 cout << n;  
 }  
 main(s)



5 x	1
4 x	2
3 x	3
2 x	4
1 x	5

n != null  
 traversing  
 (dfs)  
 bfs (queue)