

Student [] Students = new Student[100]; // null.

int [] Students → [int | l100]; // 100 0 0

Students[0] = new Student("A", 1);

• Principles .

① Encapsulation →

② Inheritance →

③ Polymorphism →

④ Abstraction . →

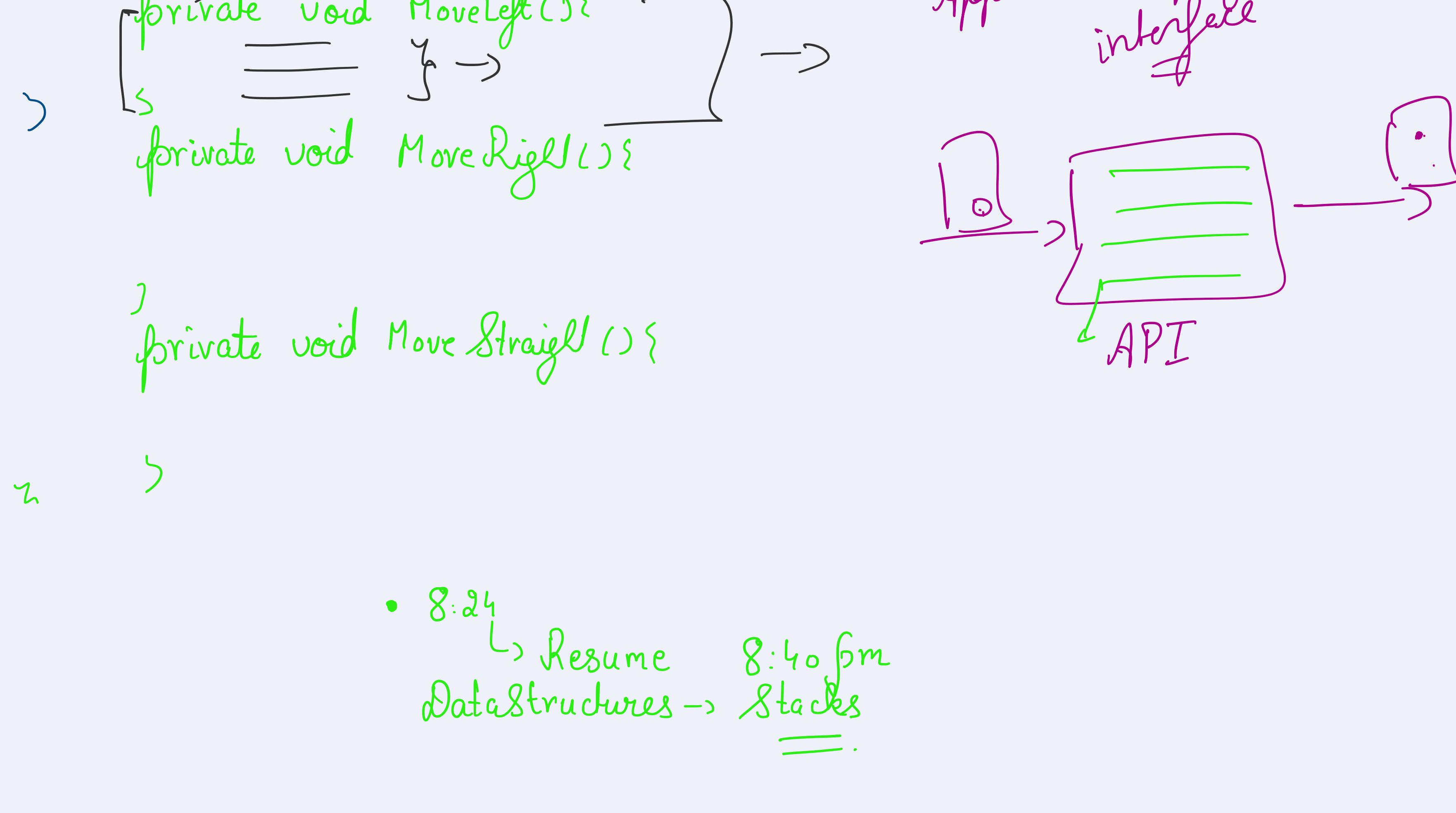


Abstraction

Data Hiding

private

Hiding the inner implementation details.



• 8:34 → Resume 8:40 pm

Data Structures → Stacks

→ lots of data → store data → specific way → implemented.

stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

insert  
remove  
get  
isEmpty  
Size()  
display.

are being built.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get  
isEmpty  
Size()  
display.

→ stacks  
queues  
trees  
graphs  
heaps  
hashmaps  
dries .

→ insert  
remove  
get<br