



DIGITAL
INNOVATION
ONE

Estrutura de Dados Em JAVA

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Desenvolvedor Java backend na everis

Aula 2 | Etapa 1:

Pilhas

[LIFO: Last In, First Out]

Explicação teórica do
conceito de Pilhas



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Uma Pilha



[Vecteezy.com](https://www.vecteezy.com)

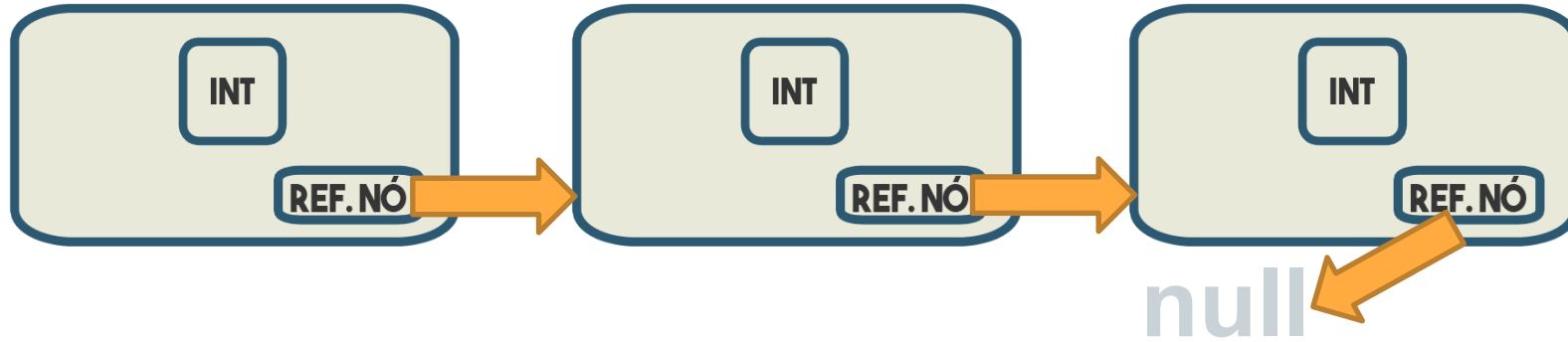


Regras de Uma Pilha

- **LIFO**
- Last in First Out
- O último elemento que entra é o primeiro a sair

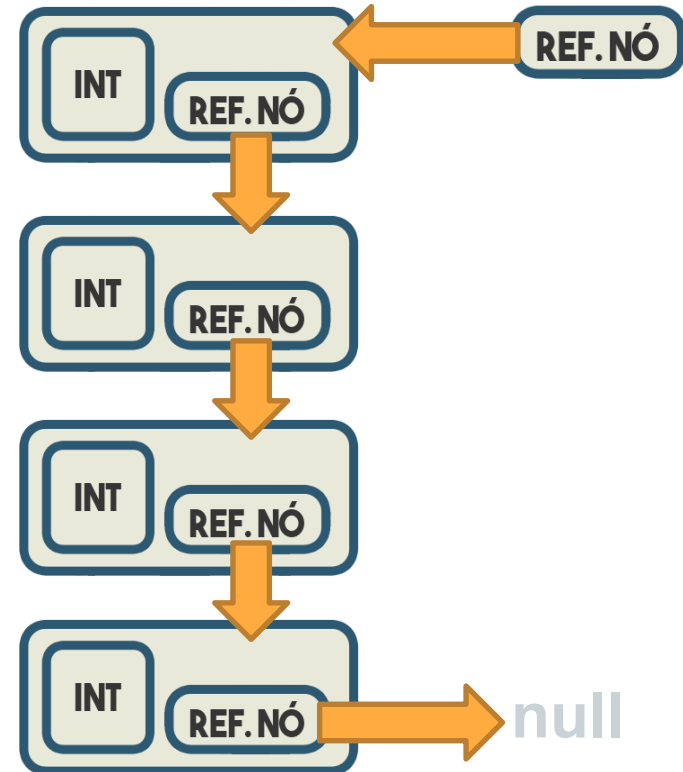


Encadeamento de Nó





Estrutura da Pilha





Método Top

```
No meuNo = pilha.top();
```

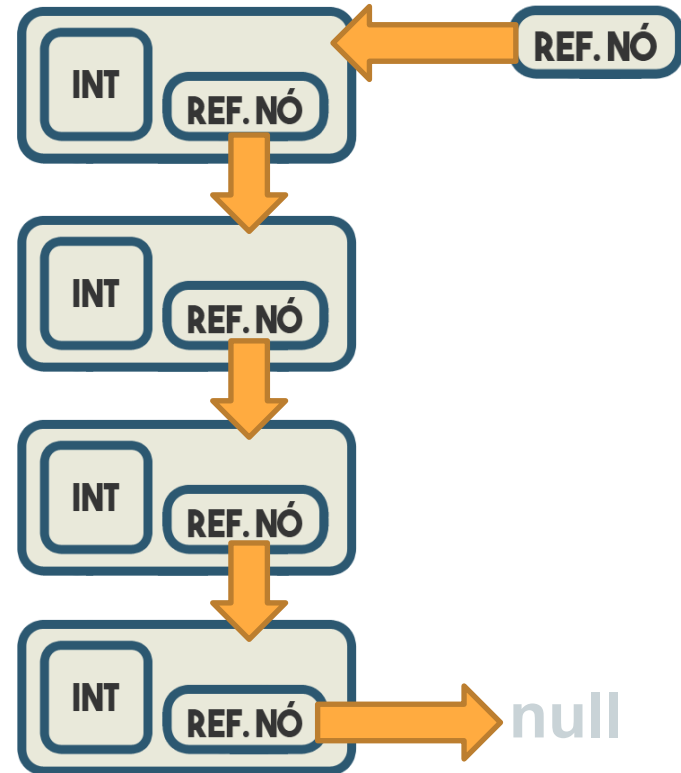
```
No meuNo = ;
```

```
int numero = meuNo.getInt()
```

```
=
```

```
int numero =  ;
```

```
=
```





Método Pop

No meuNo = pilha.pop();

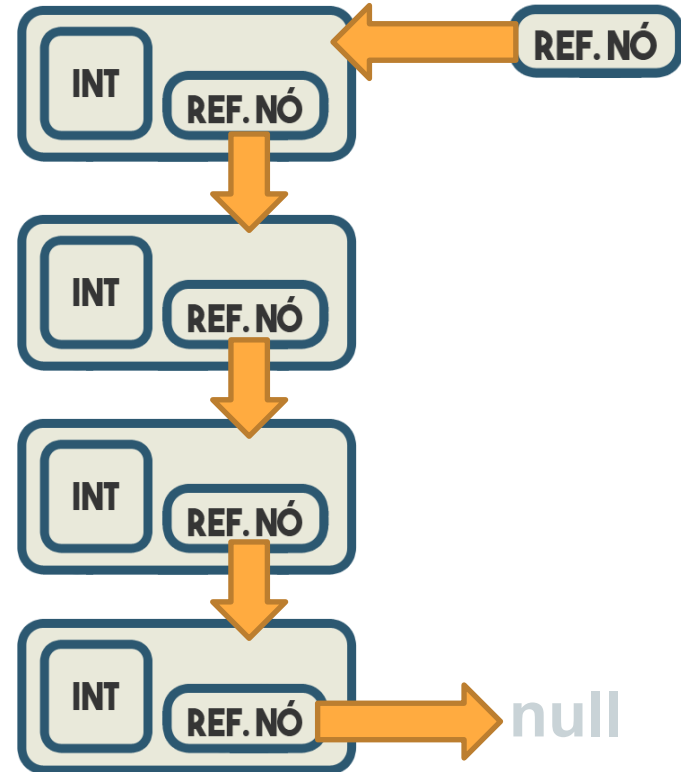
No meuNo = ;

int numero meuNo.getInt()

=

int numero  ;

=

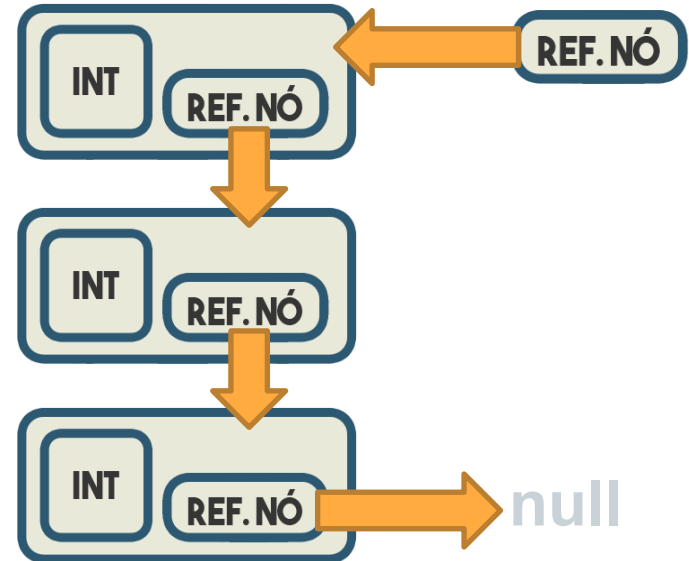




Método Push

```
No meuNo = new No();
```

```
meuNo.setInt(1);
```



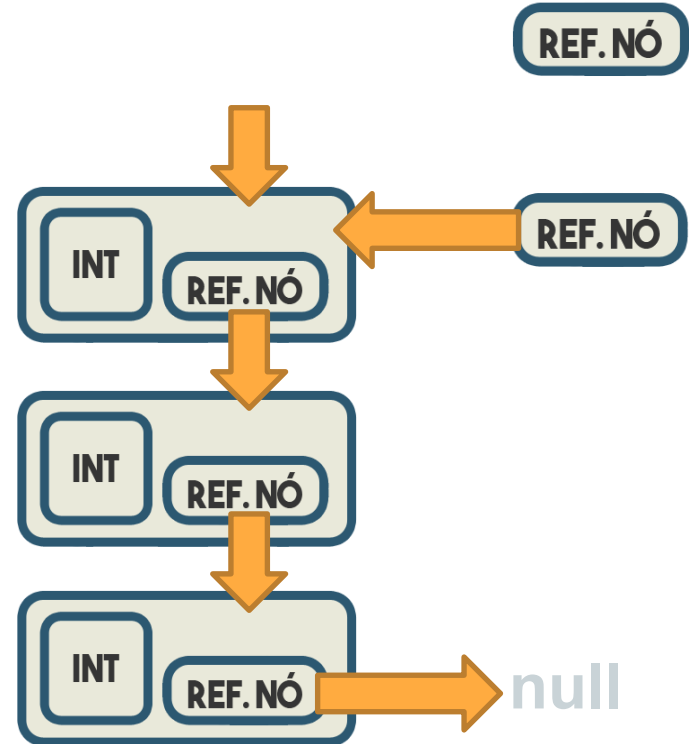


Método Push

```
No meuNo = new No();
```

```
meuNo.setInt(1);
```

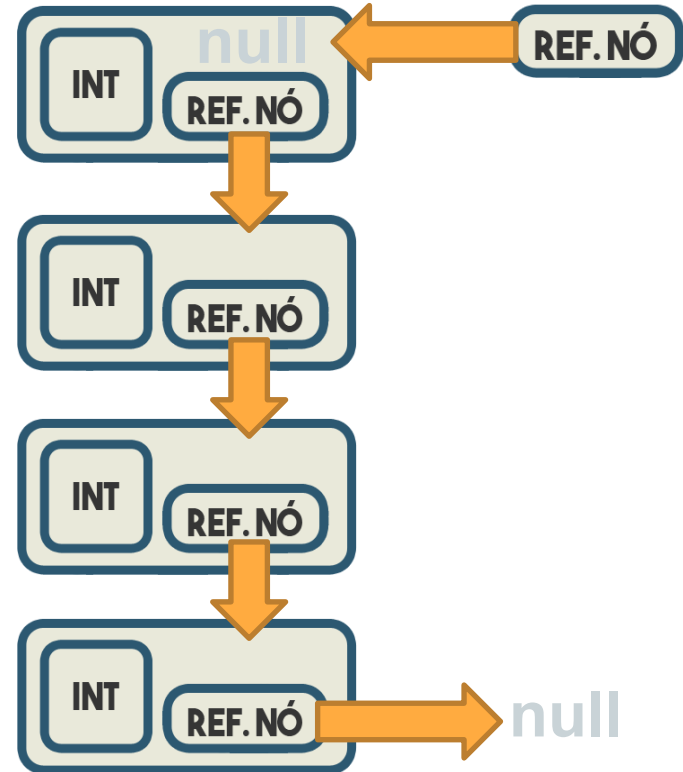
```
meuNo
```





Método isEmpty

```
public boolean isEmpty(){  
    if(refNo == null){  
        return true;  
    }  
    return false;  
}
```



Dúvidas durante o curso?

- > Fórum do curso
- > Comunidade online (discord)





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Vamos Implementar?



[Vecteezy.com](https://www.vecteezy.com)