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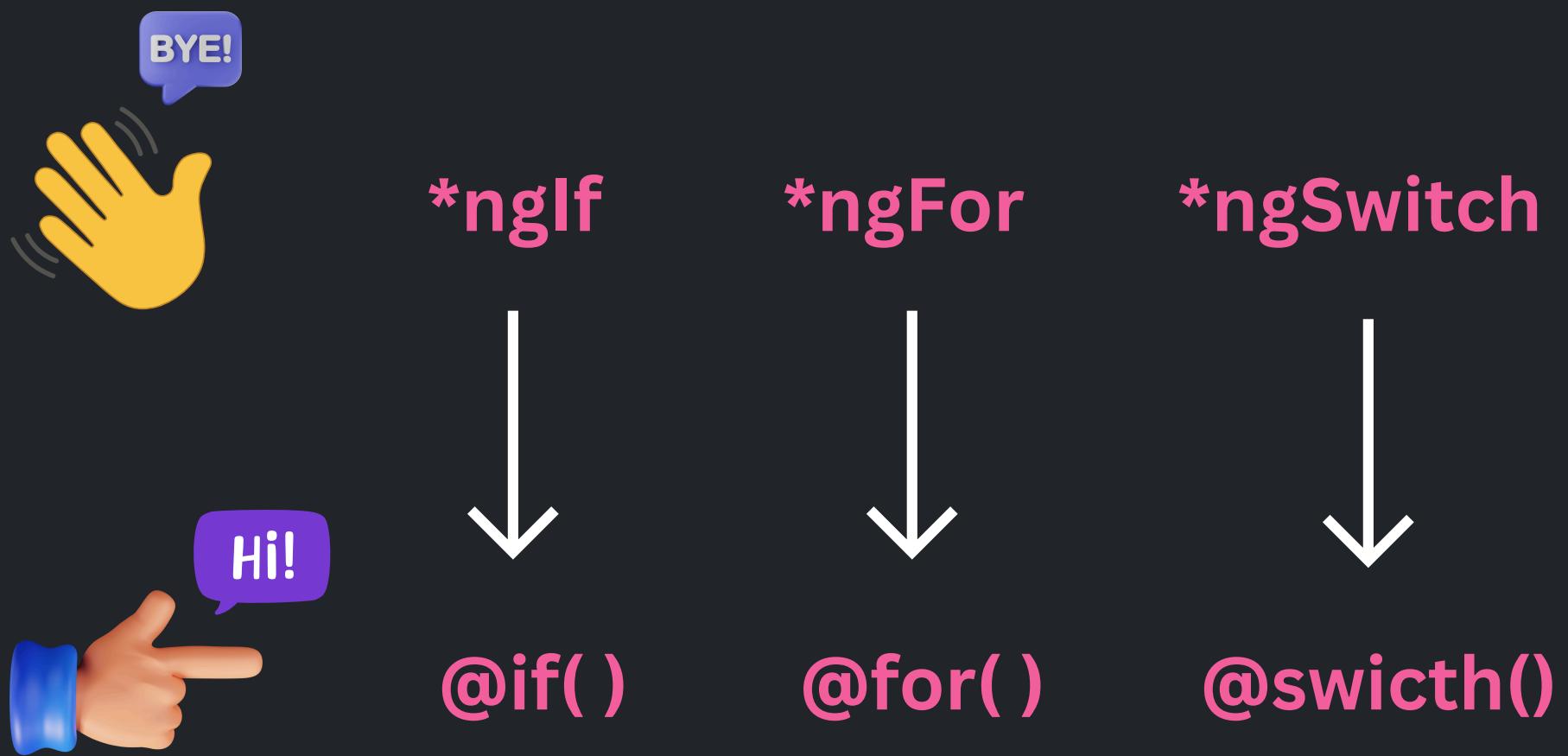
v18

New Built in Control Flow Syntax



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Previously, Angular used directives like `*ngIf`, `*ngFor`, and `*ngSwitch`.

Angular v18 introduces new control flow, a new syntax to write if, if/else and switch statements and the for loop in our template.



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@if block Syntax



```
<div *ngIf="condition; else elseBlock">  
  Content to render when the condition is true  
</div>
```

```
<ng-template #elseBlock>  
  Content to render when the condition is false  
</ng-template>
```

NEW

```
<div>  
  @if (condition) {  
    Content to render when the condition is true  
  } @else {  
    Content to render when the condition is false  
  }  
</div>
```



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@if block Example



```
@if (user.type === 'primary') {  
    <user-profile [data]="user" />  
} @else if (user.type === 'secondary') {  
    <user-profile [data]="user" [type]="secondary" />  
} @else {  
    <p>The profile doesn't exist!</p>  
}
```



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@for loop



```
<ul>
  <li *ngFor="let item of itemList">
    {{ item.name }}
  </li>
</ul>
```

NEW

```
<ul>
  @for (item of itemList; track item.id; let idx = $index,
        e = $even) {
    <li>{{ item.name }}</li>
  }
</ul>
```

- index: number: index of the element in the list;
- count: number: the length of the list;
- first: boolean: true if the element is the first of the list;
- last: boolean: true if the element is the last of the list;
- even: boolean: true if the element index is even;
- odd: boolean: true if the element index is odd.



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@switch block



```
<div [ngSwitch]="userPermissions">
  <div *ngSwitchCase="'admin'">
    <app-admin-dashboard />
  </div>
  <div *ngSwitchCase="'reviewer'">
    <app-reviewer-dashboard />
  </div>
  <div *ngSwitchCase="'editor'">
    <app-editor-dashboard />
  </div>
  <div *ngSwitchDefault>
    <app-viewer-dashboard />
  </div>
</div>
```



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@switch block

NEW

```
@switch (userPermissions) {  
  @case ('admin') {  
    <app-admin-dashboard />  
  }  
  @case ('reviewer') {  
    <app-reviewer-dashboard />  
  }  
  @case ('editor') {  
    <app-editor-dashboard />  
  }  
  @default {  
    <app-viewer-dashboard />  
  }  
}
```



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aishwarya-dhuri



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