

# Change Detection – What does it do?

```
<h1>Counter = {{counter}}</h1>
```

```
@if(counter % 2 === 0) {  
  <h2>Even</h2>  
}
```

Binding Expressions

- Compare the **current** and the **previous** value of the binding expressions
- If **changed**, update the proper place in the **DOM**

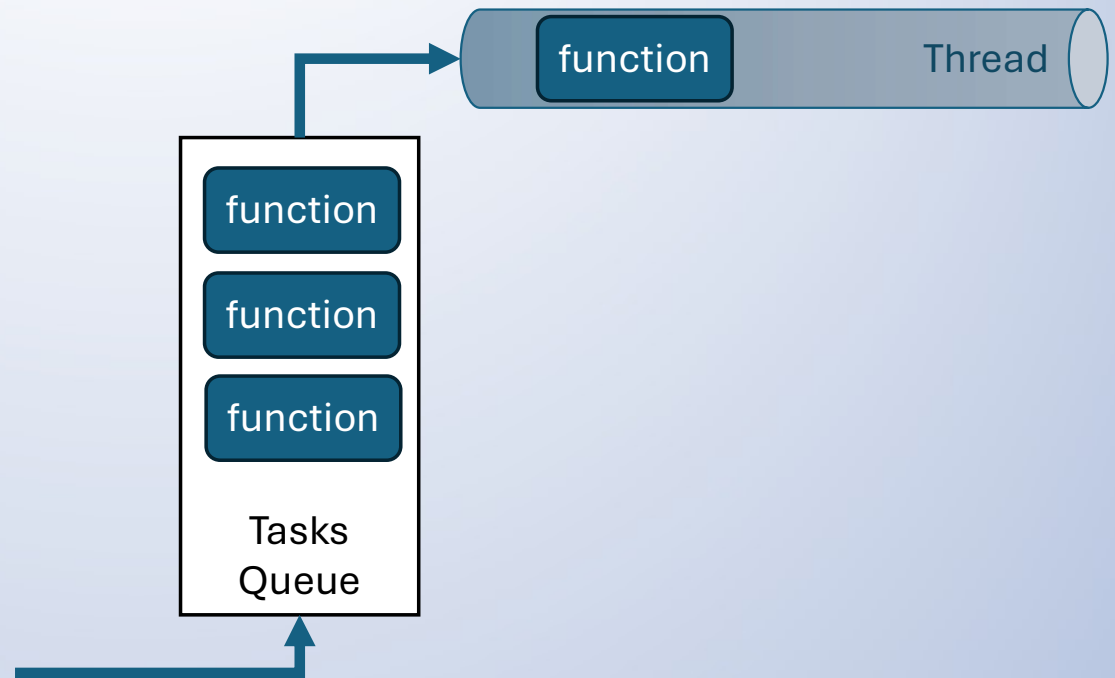
# Change Detection – When does it happen?

Depends on the change detection strategy

- On Push
  - Angular inputs changes
  - Angular events triggered
  - When triggered using `ChangeDetectorRef`
  - A few more selected triggers
- Default
  - Seems like all the time...
  - But how?

# Thread and Tasks – Simplified

- `setTimeout` (function)
- `setInterval` (function)
- `addEventListener` (function)
- `XHR.send` (function)
- `Script file loaded` (function)
- `Promise.then` (function)
- `Promise.catch` (function)
- `queueMicrotask` (function)



# Zone - Simplified

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