

# Techniques and tricks in using locators

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# Agenda

- What locators are?
- Different types of locators
- Walkthrough on css selectors and xpath
- Demo

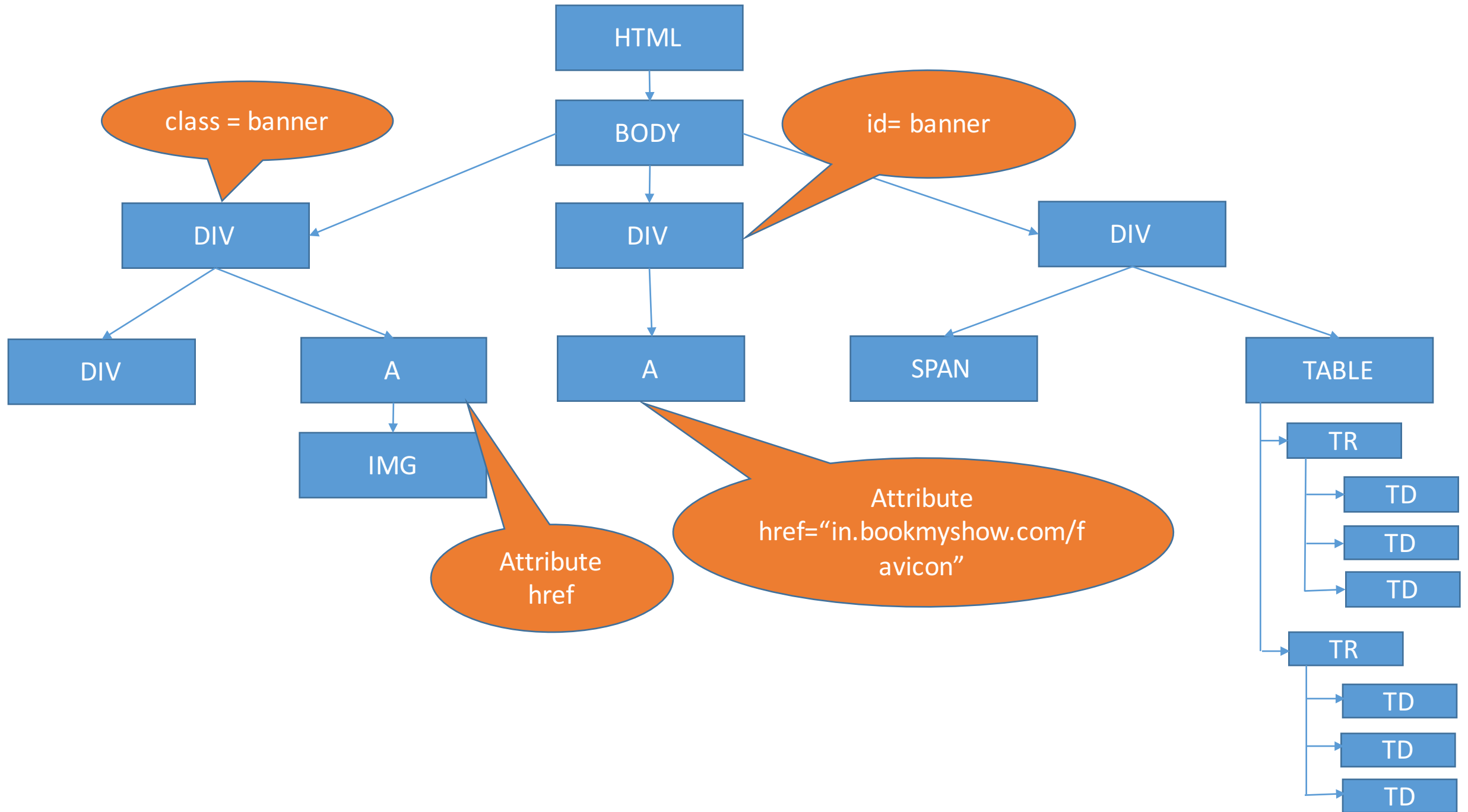
What actually are locators ?

# Different types of locators

- ID
- Name
- Link text
- Partial Link text
- Tag Name
- Class name
- Css
- Xpath

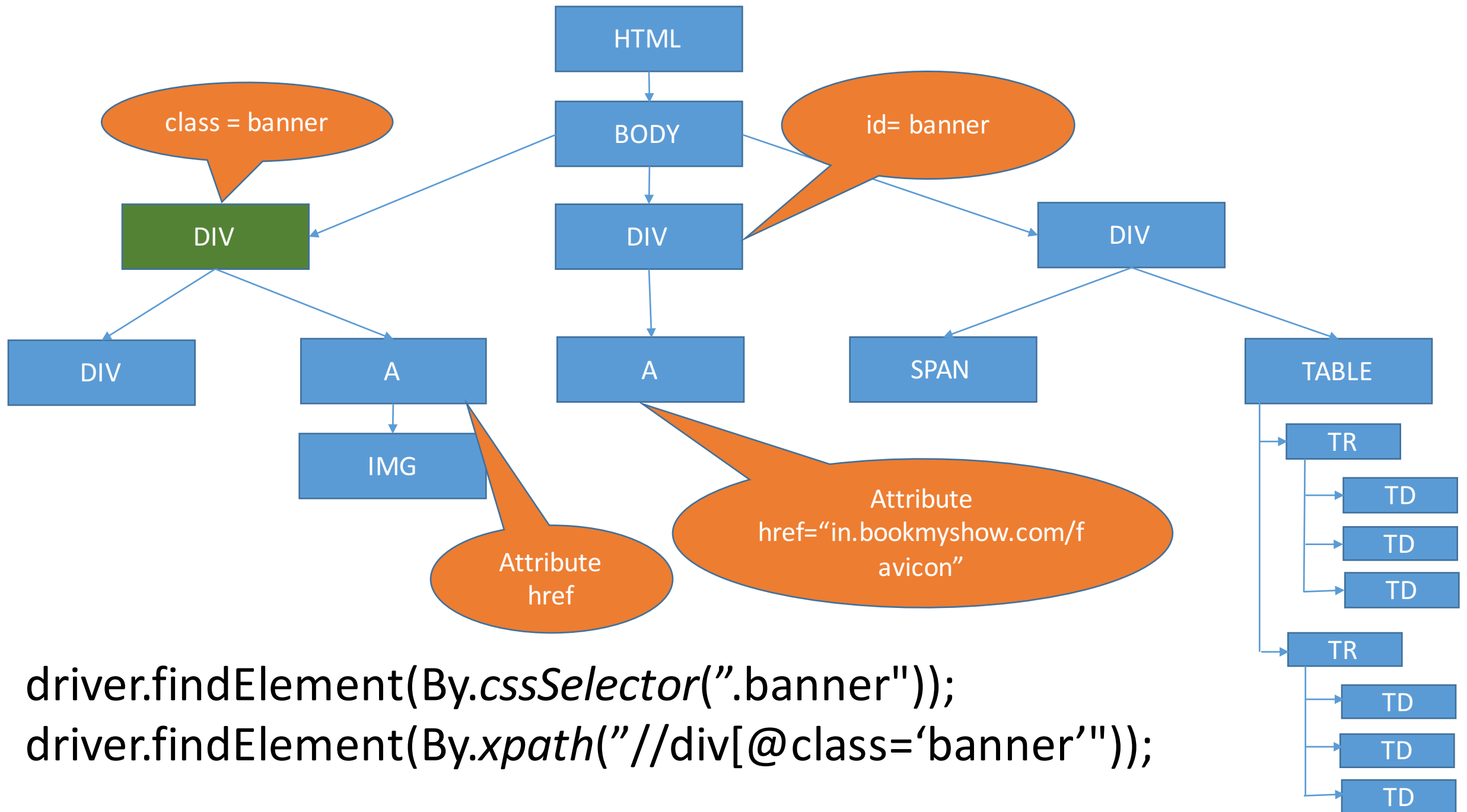
What is css selector

What is xpath



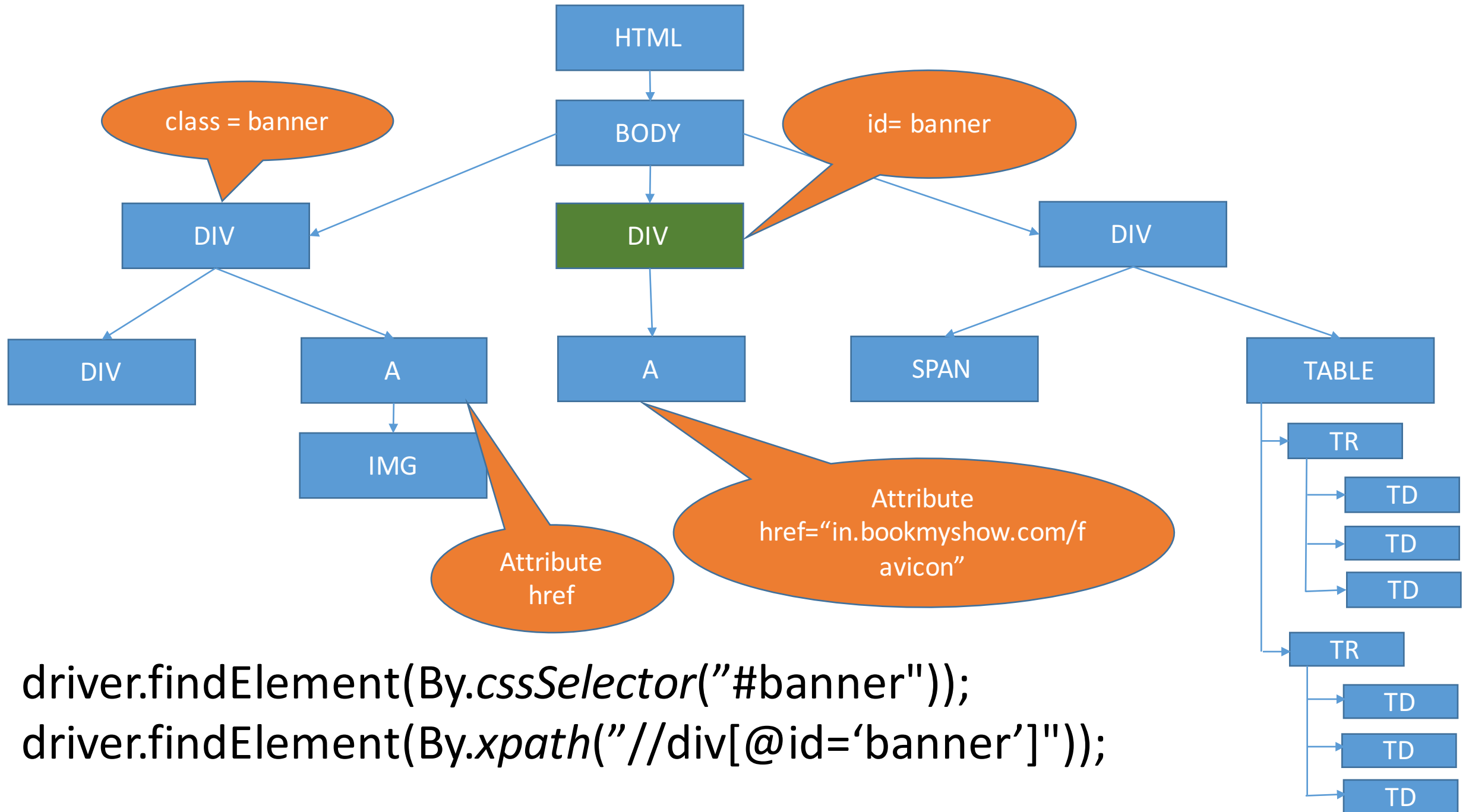
Identify Elements with class attribute



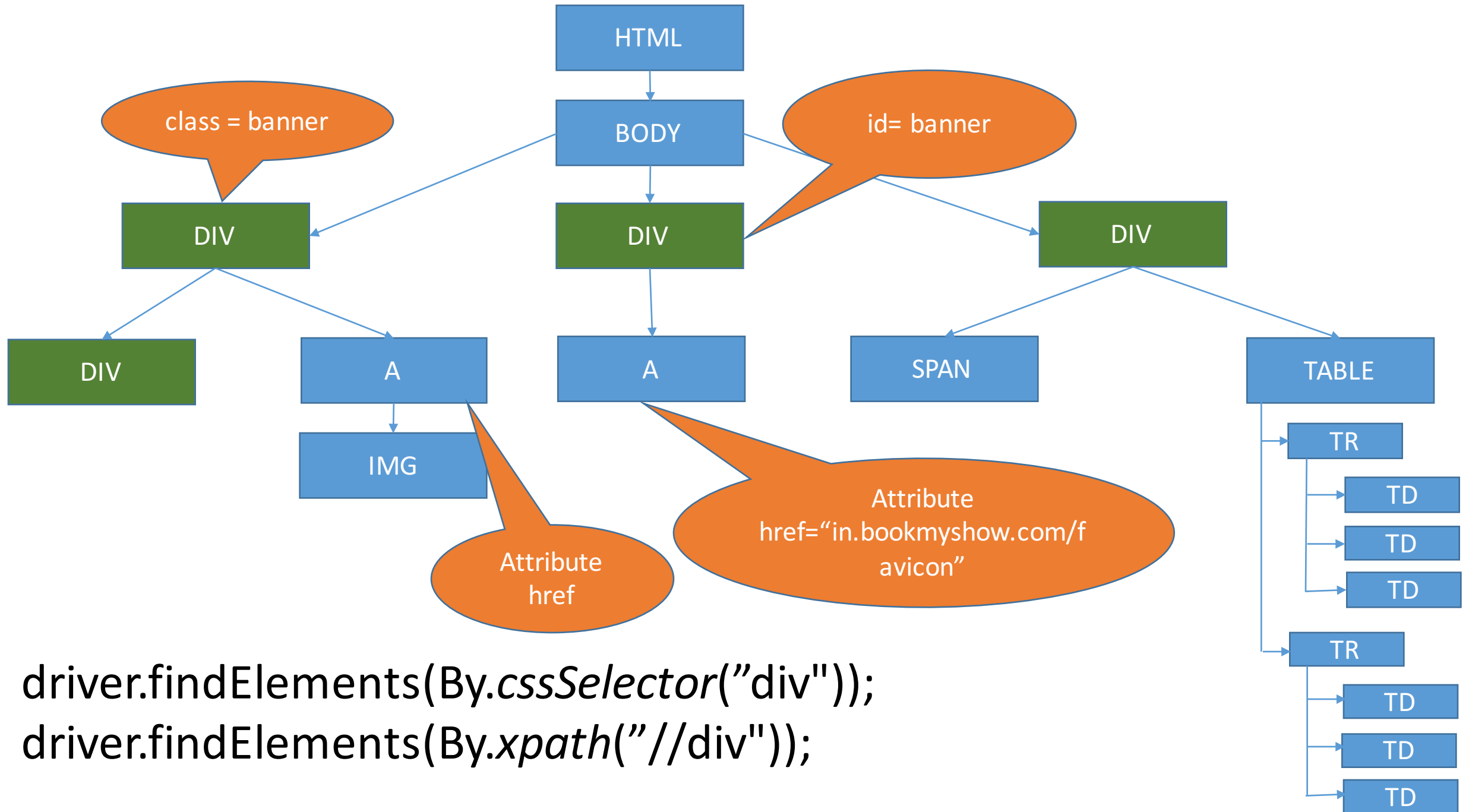


```
driver.findElement(By.cssSelector(".banner"));  
driver.findElement(By.xpath("//div[@class='banner']"));
```

Identify Elements with ID attribute

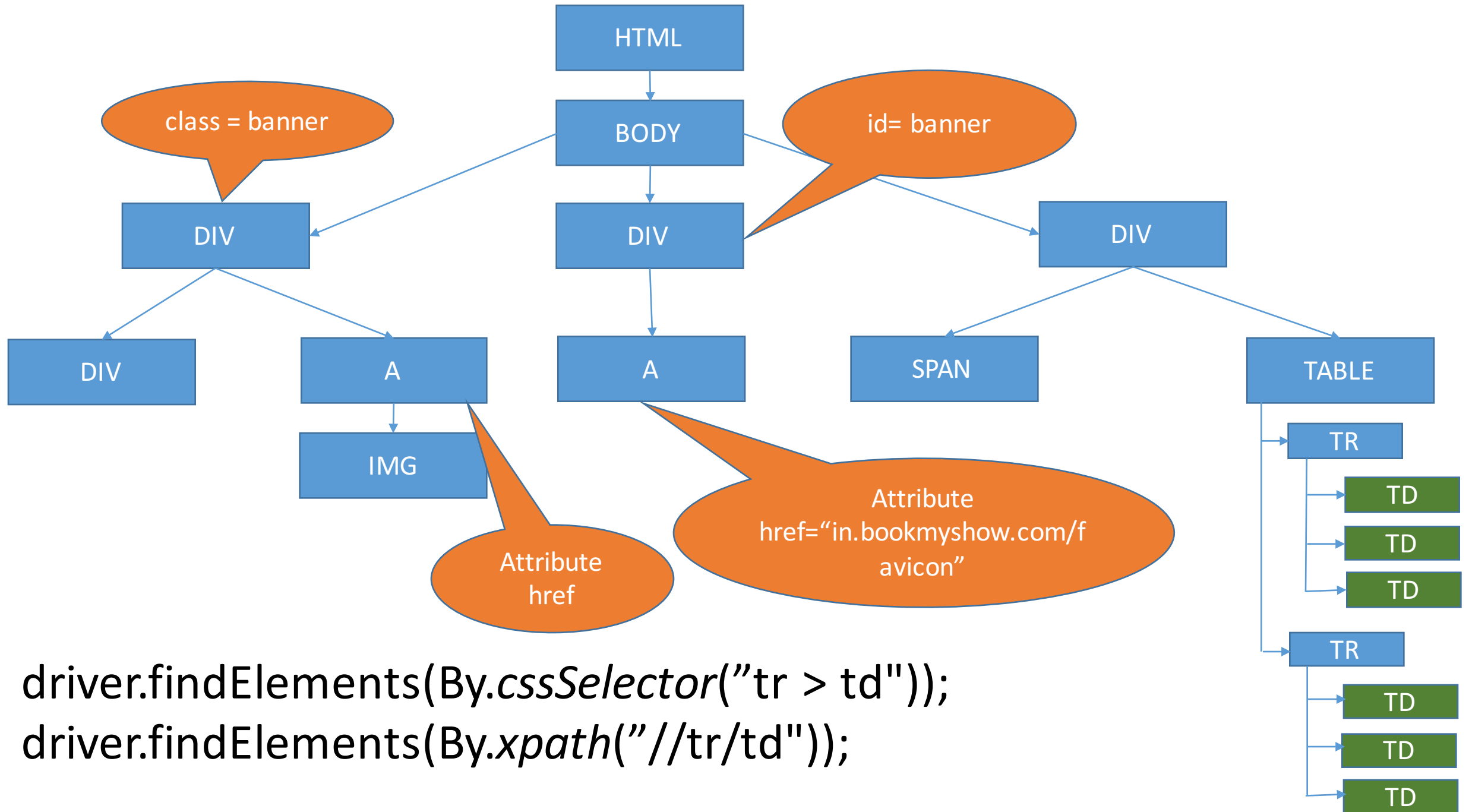


Identify Elements by its type



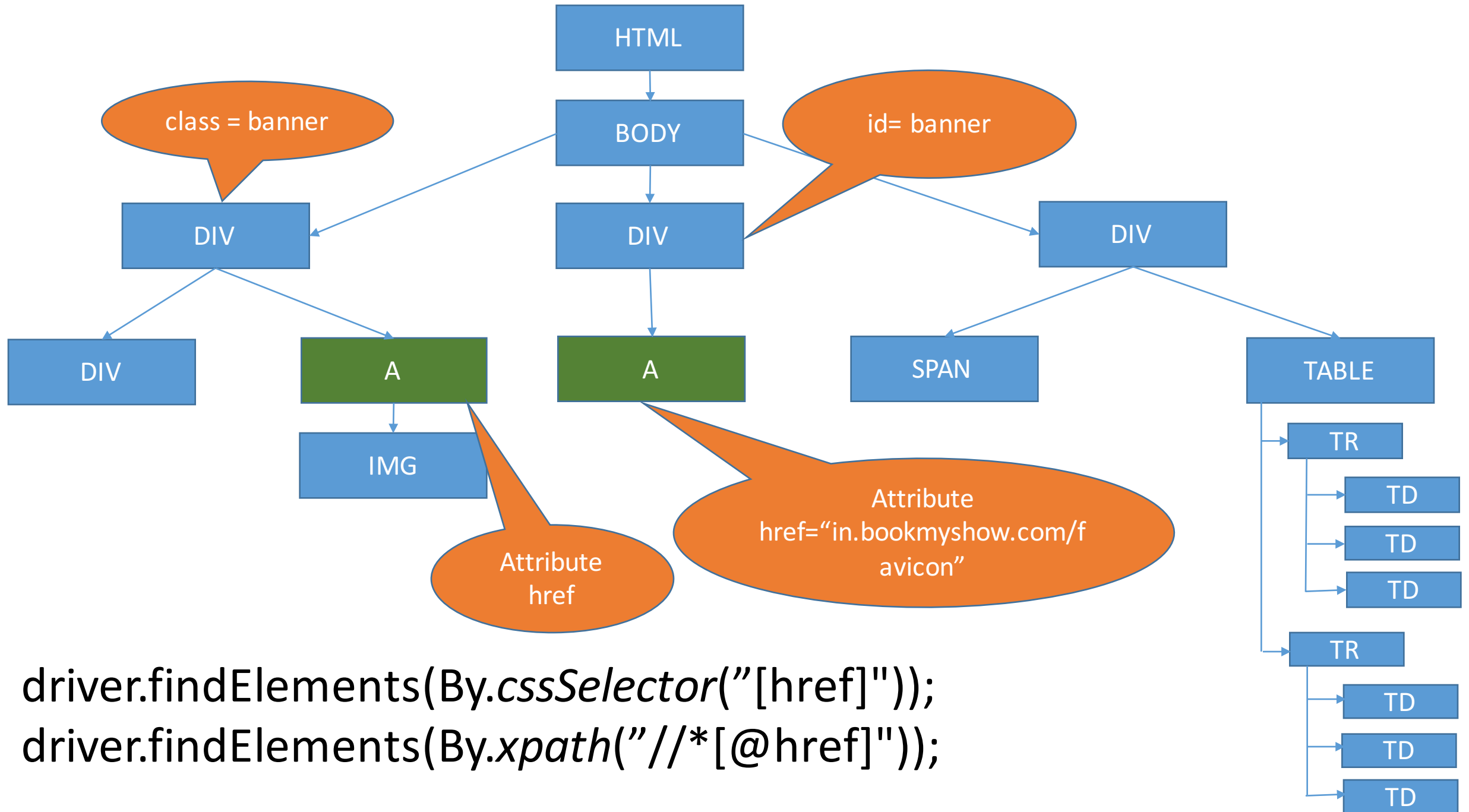
```
driver.findElements(By.cssSelector("div"));
driver.findElements(By.xpath("//div"));
```

Identify Elements with parent and child element  
types

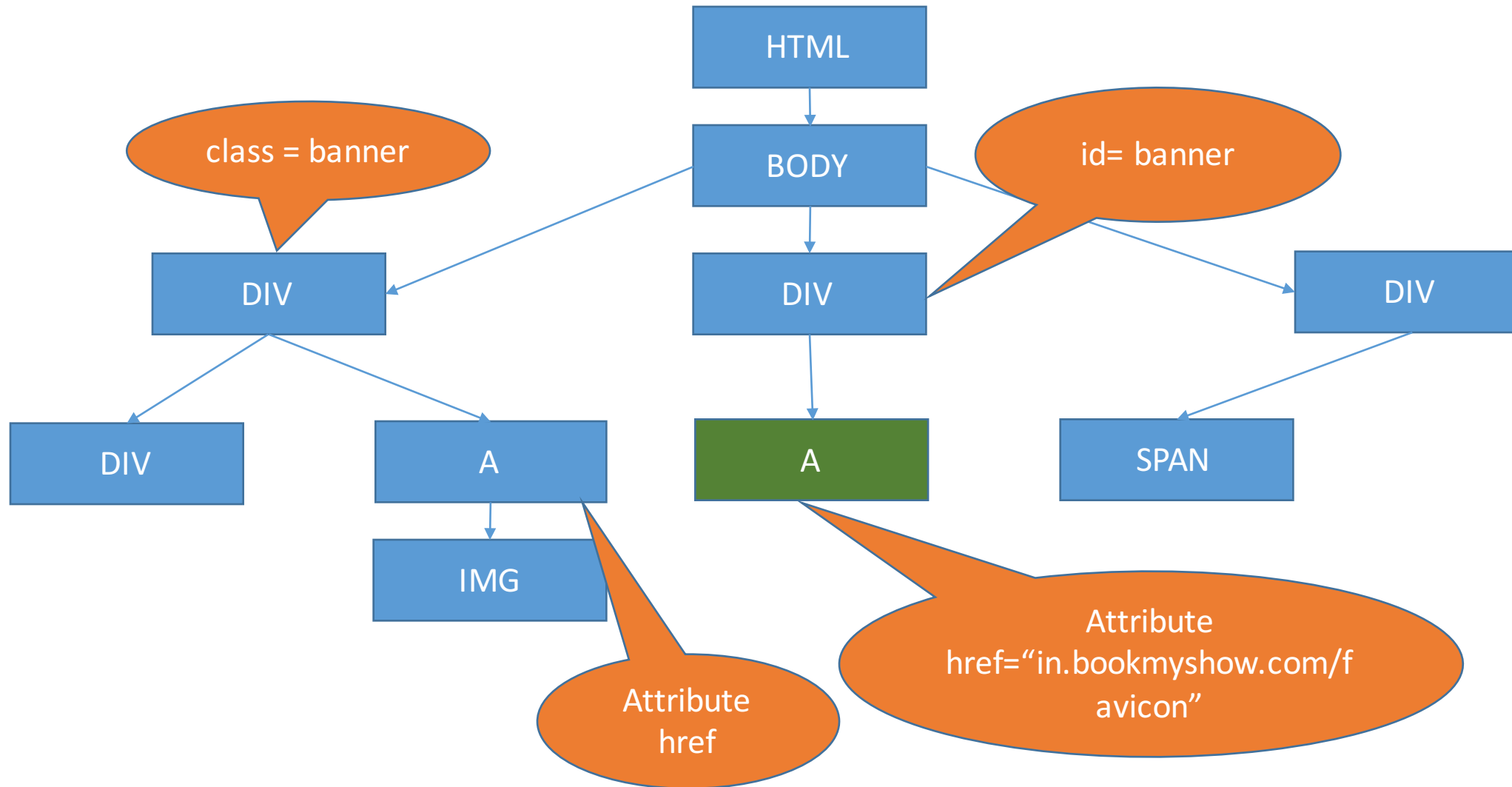


Identify Elements having a specific attribute



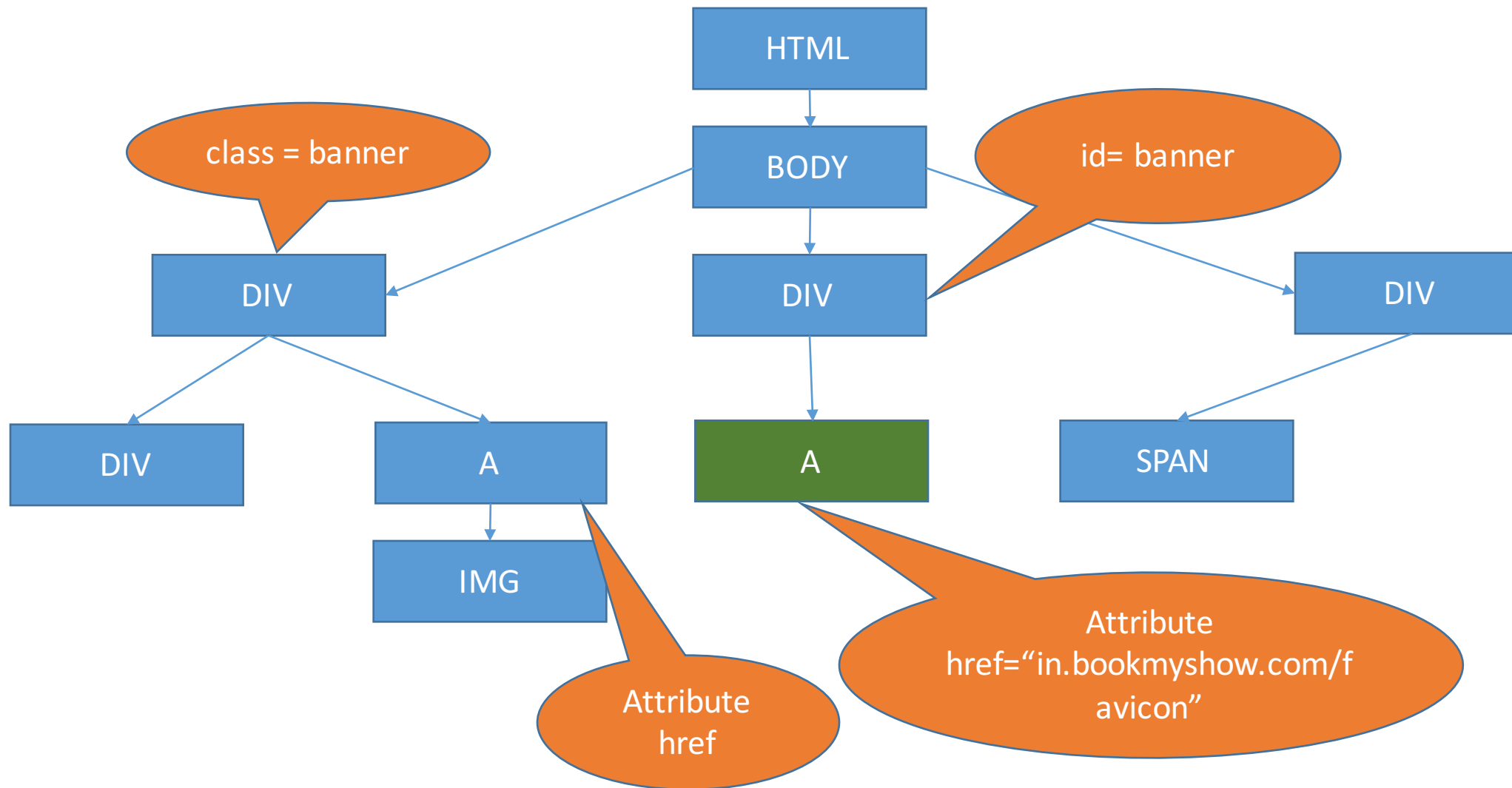


Identify Elements by what attribute value starts  
with



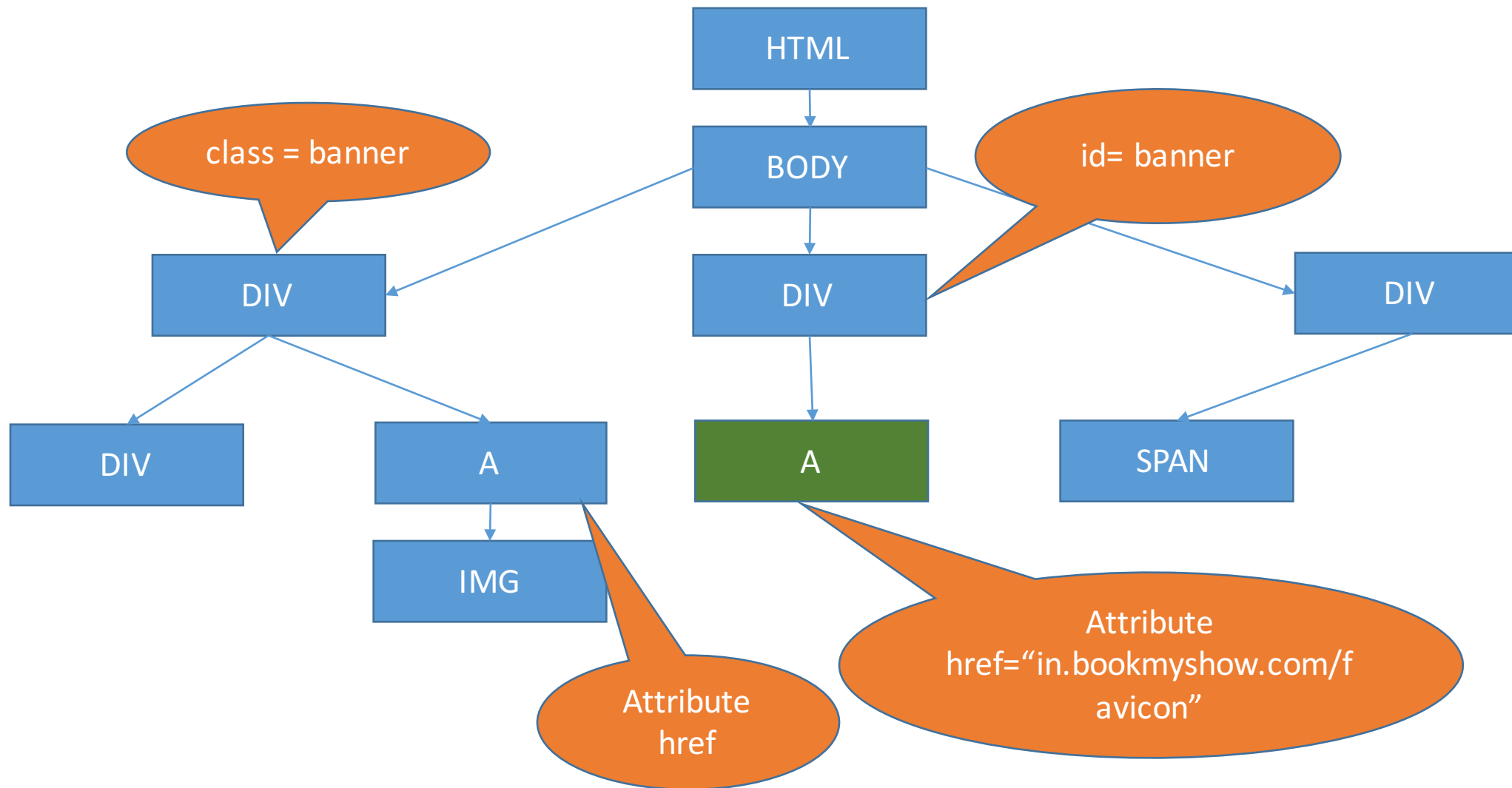
```
driver.findElement(By.cssSelector("a[href^='in']"));  
driver.findElement(By.xpath("//a[starts-with(@href,'in')]"));
```

Identify Elements by what attribute value ends  
with



```
driver.findElement(By.cssSelector("a[href$='favicon']"));  
driver.findElement(By.xpath("//a[ends-with(@href,'favicon')]"));
```

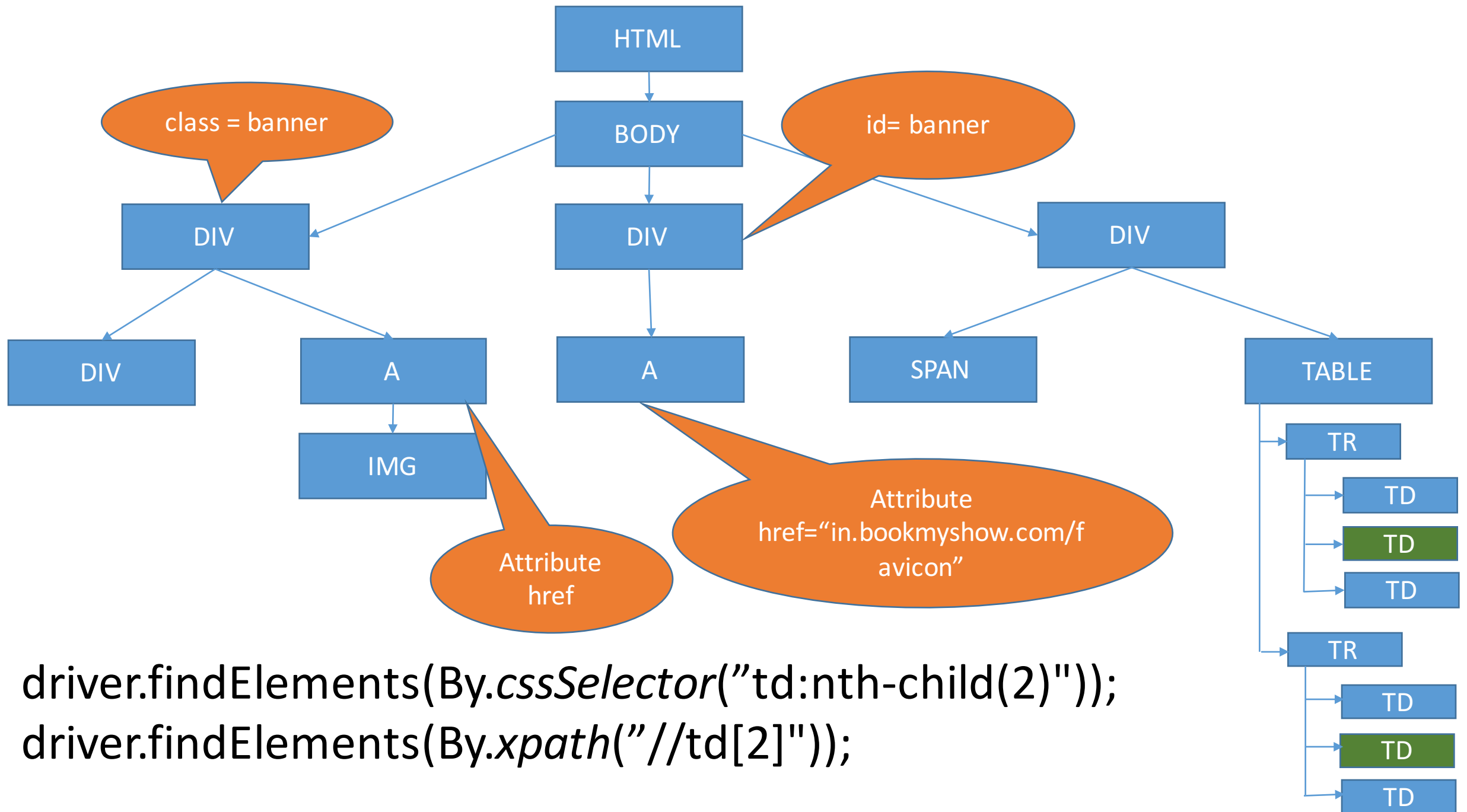
Identify Elements by what attribute value contains



```
driver.findElement(By.cssSelector("a[href*='bookmyshow']"));  
driver.findElement(By.xpath("//a[contains(@href,'bookmyshow')]"));
```

Identify 2<sup>nd</sup> child of a parent element





```
driver.findElements(By.cssSelector("td:nth-child(2)"));  
driver.findElements(By.xpath("//td[2]"));
```

**DEMO**

**QUESTIONS**

# REFERENCES

<https://developers.google.com/web/tools/chrome-devtools/console/command-line-reference>

[http://www.w3schools.com/cssref/css\\_selectors.asp](http://www.w3schools.com/cssref/css_selectors.asp)

[http://www.w3schools.com/xml/xpath\\_intro.asp](http://www.w3schools.com/xml/xpath_intro.asp)

# THANK YOU

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