

LESSON 1

LINK TO THE PATH

```
const label = (d : Direction) : string => {  
  switch (d ){  
    case "North": return "north";  
    case "East": return "east";  
    case "South": return "south";  
    //case "West": return "west";  
  }  
}
```

Function lacks ending return statement and return type
does not include 'undefined'.

On peut valider dès la compilation qu'on traite TOUS LES valeurs valides!!!



Compilation Error



MAGNUM2-QUALITÉ D'SI-THOMAS HAESLÉ & QUENTIN BURG

LINK TO THE PATH

LES UNIONS



```
const label = (d : Direction) : string => {  
  switch (d ){  
    case "North": return "north";  
    case "East": return "east";  
    case "South": return "south";  
    //case "West": return "west";  
  }  
}
```

Compilation Error

Function lacks ending return statement and return type
does not include 'undefined'.

On peut valider dès la compilation qu'on traite TOUTES LES valeurs valides !!!

LINK TO THE PATH

ET EN JAVA? JAVA 15 (SEALED), JAVA 14 (RECORD) ET JAVA 17 (EXHAUSTIVITÉ)

```
sealed interface Direction {  
    record North() implements Direction {}  
    record East() implements Direction {}  
    record South() implements Direction {}  
    record West() implements Direction {}  
}  
public static final String label(Direction d) {  
    return switch(d){  
        case Direction.North n -> "north";  
        case Direction.East e -> "east";  
        case Direction.South s -> "south";  
        case Direction.West w -> "west";  
    }  
}
```