

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



MAGNET 2-DUALS - TRANSLES

LINK TO THE PATH

LES UNIONS



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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";  
    }  
}
```