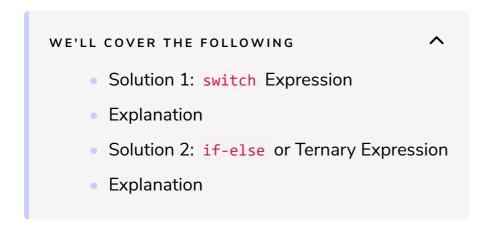
#### Solution Review: Number Sequence

This lesson will explain the solution for the number sequence exercise.



# Solution 1: switch Expression #

```
let n = 5;
let next = switch (n) {
    /* Take care of all cases */
    | 0 => 1
    | 1 => 2
    | 2 => 3
    | 3 => 4
    | 4 => 5
    | 5 => 6
    | 6 => 7
    | 7 => 8
    | 8 => 9
    | 9 => 10
    | _ => -1 /* In case n is out of range */
};
Js.log(next);
```

## Explanation #

The most effective approach is to use a switch expression as it can handle multiple cases. For each number in the range 0 to 9, we specify the next number.

The is used to handle all values which are not between the valid range.

# Solution 2: if-else or Ternary Expression #

```
let n = 5;

/* Using if-else */
let next = if (n >= 0 && n < 10){
    n + 1;
}
else {
    -1;
};

Js.log(next);

/* Using the ternary operator */
let next = (n >= 0 && n < 10) ? (n + 1) : -1;
Js.log(next);</pre>
```

## **Explanation** #

This solution is more concise than the previous one, but functions in the exact same way. For the <code>if</code> expression to succeed, <code>n</code> must be in the valid range.

Otherwise, we return <code>-1</code>.