

In the Name of Allah

Project Title: Prj 44

Programming Software: Visual Studio Code, Version 1.74.2

Programming language: JavaScript

Project Description :

The **left shift** operation is similar to **multiplication by powers of two**.

Sample calculation using the left shift operator (\ll):

$$10 \ll 3 = 10 * 2^3 = 10 * 8 = 80$$

$$-32 \ll 2 = -32 * 2^2 = -32 * 4 = -128$$

$$5 \ll 2 = 5 * 2^2 = 5 * 4 = 20$$

Write a function that **mimics** (without the use of \ll) the left shift operator and returns the result from the two given integers.

Project Solution :

```
function shiftToLeft(x, y) {  
  if (y >= 0) {  
    return x * 2 ** y;  
  }  
}
```