Convert the given decimal number to the given base.

**Example:**

* BaseChange(1, 2) = 1 (note that it's not00001)
* BaseChange(10, 2) = 1010
* BaseChange(12, 3) = 110
* **[input] integer num**
  + The number to convert, 0 ≤ num ≤ 2000.
* **[input] integer base**
  + The base to convert to, 2 ≤ base ≤ 9.
* **[output] integer**
  + Converted number.

<https://codefights.com/challenge/JFjNEbXLYL4W7FG3i>

int BaseChange(int num, int base) {

std::string result= "";

while(num){

result += char(num %base + '0');

num /=base;

}

std::reverse(result.begin(), result.end());

int res = atoi( result.c\_str() );

return res;

}