Revoise Numbers.

Problem Definition:

Revouse the digits of a given inumber

Example: For n=1234, the reversed number Should be H 231.

Steps to Solve:

Step!: Initialize the number n

Step?: Initialize ans =0

Step 3: Joop while nro:

Calculate the vermainder verm = n 1. 10 Update n = n 110.

Update ans = ans \* 10 + rem

Step 4: Print the Value of ams.

Explanation;

this algorithm processes each digit of the number from right to left.

It constructs the reversed number by Shifting the unvient digita in ans to the to the left and adding the new digit. The process continues until all digits have been processed.

## Example Walk through:

For n=1234

viem = 1234 7.10=4 -> ams=0\* 10+4=4

n= 123H /10=123

Jem = 123 y. 10 = 3 -> ams = 4 # 10+3=43

n=123/10=12

Jem = 12 y. 10 = 2 - ) am = 43 + 10+2=432.

n=12 /10=1

n = 1/10 = 0 (Loop rends).