



Question

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Write an algorithm in pseudocode using a loop, which will perform the logic above.

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There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!

LOGIC:

- Ask the user to input a number
- Store number in a variable
- Start a loop which will continually iterate
- Inside the loop the:
 - Divide the number by two
 - Store result back inside the same variable
 - Output the result

EXAMPLE ALGORITHM:

WHILE Loop Example:

```
number = input("Enter a number")  
while number != 0  
    number = number / 2  
    print(number)  
endwhile
```