In the following pseudocode, which value is the accumulator?  
  
Set x = 0  
For m = 1 To 10  
Set x = x + m  
End For  
Display x

Step 1: Answer

X

Step 2: Explanation

An 8-bit register called the accumulator is a component of the arithmetic/logic unit (ALU). This register is used to execute arithmetic and logical operations as well as to store and retrieve 8-bit data. The accumulator stores the outcome of an operation. The register A. Flags name for the accumulator is also used.

The output of any programme or piece of code is stored in an accumulator. The sum of the digits from 1 to 10 will be calculated by the programme and saved in the variable x. Thus, the value of x will be stored in the accumulator.

Here the value of variable x is initialized as 0

And value of x is set as x+m

So the value of x+m is stored in the variable x.

Hence the accumulator will store value of x