AIM: 8086 program to find average of n numbers

CODE:
```
data segment
  array db 01H, 02H, 03H, 04H, 05H
  count db 05H
  res dw 0000H
data ends

code segment
assume CS:code, DS:data
start:
```

Operation	Explanation	Addressing Mode	Affected Flags
MOV ax, data	AX <- Address of the data segment	Immediate addressing mode	None
MOV ds, ax	DS <- AX	Register addressing mode	None
LEA si, array	SI <- Effective address of array	Register addressing mode	None
MOV cl, count	CL <- Value of 'count'	Direct addressing mode	None
MOV ax, 0000H	AX <- 0000H	Immediate addressing mode	None
ADD al, [si]	AL <- AL + [SI]	Register indirect addressing mode	CF, OF, SF, ZF, AF, PF
ADD si, 01H	SI <- SI + 1	Immediate addressing mode	None
DEC cl	CL <- CL - 1	Direct addressing mode	SF, ZF, AF, PF
JNZ sum	Jump to 'sum' if ZF = 0	Direct addressing mode, relative	None
MOV cl, count	CL <- Value of 'count'	Direct addressing mode	None
DIV cl	AX <- AX / CL,	Direct addressing	CF, OF, SF,

	Quotient in AL, Remainder in AH	mode	ZF, AF, PF
MOV res, ax	'res' <- Value in AX (Quotient)	Direct addressing mode	None
MOV ah, 4CH	AH <- 4CH	Immediate addressing mode	None
INT 21H	Generate interrupt 21H (DOS function)	Direct addressing mode	None

code ends
end start

OUTPUT