1. Please implement the following steps with PUSH and POP in the .code section: (a) get values 1 and 2 into the stack; (b) save

value	s 2 and 1 in EAX a	nd EBX
.code		
main	proc	
	mov eax,	;save value 1 in EAX
	mov ebx,	; save value 2 in EBX
	push	get values 1 into the stack
	push	get values 2 into the stack
	pop	;save value 2 in EAX
	pop	;save value 1 in EBX
	invoke ExitPro	ocess,0
r	nain endp	
end m	ain	
, pleas		
		; configure ECX for popLoop
	popLoop: pop loop popLoop	; save values 2, 4 and 6 in EAX
	invoke ExitPro	ocess 0

```
main endp
end main
3. Please predict the values in EDX in step @-@. (assume: arrayVariable DWORD 3h, 6h, 9h)
.code
main proc
       mov eax,0
       mov ecx,3
       mov edx, arrayVariable[0]----- ; EDX =
       mov edx, arrayVariable[1]----- ; EDX =
       mov edx, arrayVariable[2]----- ; EDX =
       mov edx, arrayVariable[3]----- ; EDX =
       pushLoop:
                            _____]; proper index for DWORD
          push arrayVariable[__
       loop pushLoop
       mov ecx, 3
       popLoop:
           pop eax
       loop popLoop
       invoke ExitProcess,0
 main endp
end main
4. Reverse String. Please fill out blank lines with proper instructions.
.data
aName BYTE "Assembly Language",0
.code
main PROC
```

; Push the name on the stack.				
	mov ecx,; ecx = ?/Alternative to get a size			
	mov esi,; initialize ESI			
L1:	movzx eax,; get character			
	push ; push on stack			
	inc; update ESI			
	Loop L1			
; Pop the name from the stack, in reverse,				
; and store in the aName array.				
	mov ecx,; configure ecx for loop L2 again			
	mov esi,; configure esi for aName again			
L2:	pop eax ; get character			
	mov aName[esi], ; store in string			
	inc; update ESI			
	Loop L2			
; Display the name.				
mair	1 ENDP			
END main				
5. Please use two procedures (pushProc and popProc) to rewrite Q2.				
.code				
main proc				
	mov eax,0			
	mov ecx,3			
; Main program control procedure.				
; Calls: pushProc and popProc.				
	; call pushProc procedure			
	mov ecx, 3			
	: call nonProc procedure			

main ENDP
;
;
; Push values in array into stack
;
pushLoop:
push array[(ecx *2) - 2]
loop pushLoop
;
;
; Pop each value one by one in EAX
;
popLoop:
pop eax
loop popLoop
end main