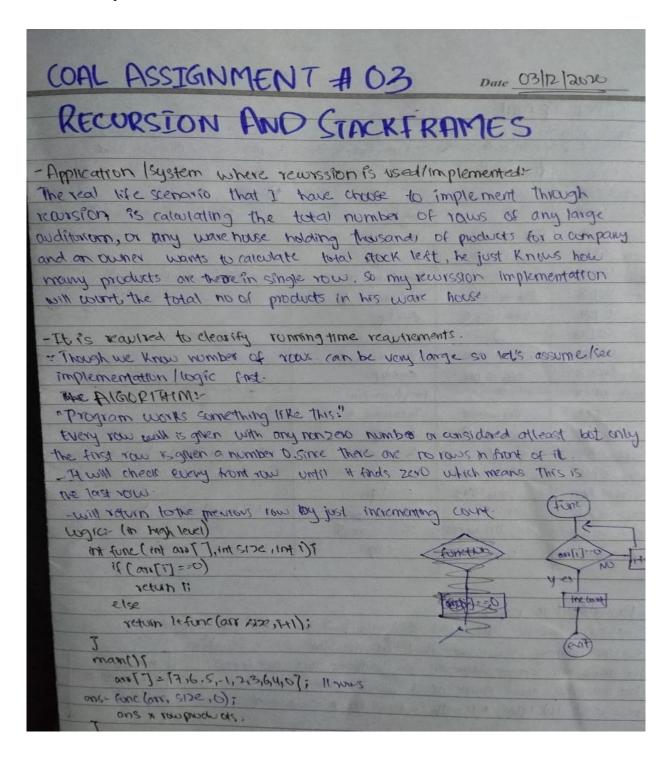
COAL ASSIGNMENT# 03 RECURSION AND STACKFRAMES

Topic: Counting Total Products in a warehouse through counting total rows (recursively).



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		Salman Paper Products (Pv	

ASM CODE:

```
TITLE Application (code.asm) INCLUDE Irvine32.inc
```

.data Rows byte 7,6,5,1,2,0 ProductsInRow dword 50 Count dword? message byte "The total number of products in warehouse: ",0 .code main proc mov ebx, 0 push ebx call CountTotalRows add esp, 4 mov eax, Count mov edx. 0 mul ProductsInRow mov edx, offset message call writeString call WriteDec call crlf call crlf call dumpregs exit main endp CountTotalRows proc push ebp mov ebp, esp mov ebx, [ebp+8] cmp Rows[ebx], 0

JE outside

OUTPUT:

```
The total number of products in warehouse : 300

EAX=0000012C EBX=00000005 ECX=00031005 EDX=0003500E
ESI=00031005 EDI=00031005 EBP=010FFCDC ESP=010FFCD0
EIP=0003105C EFL=00000202 CF=0 SF=0 ZF=0 OF=0 AF=0 PF=0

Press any key to continue . . .
```