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Quiz

Use the given template to write your program:

```
TITLE Flat Memory Program Template    (Template.asm)

; Program Description:
; Author:                        Creation Date:
; Modified by:                   Modification Date:

.686
.MODEL FLAT, STDCALL
.STACK

INCLUDE Irvine32.inc
.DATA
    ; (insert variables here)
.CODE
main PROC
    ; (insert executable instructions here)
    exit
main ENDP
    ; (insert additional procedures here)
END main
```

Question.1:

Write an assembly program to calculate the following expressions:

$$exp1 = (var1 + var2) * var3$$
$$exp2 = (var1 * var2) + var3$$

where: var1 = 10 , var2 = 25 , var3 = 30

a) Declare all variables with a correct data type of 32-bit integers.
b) Display the result of **exp1** and **exp2** on the console.
c) Swap the result of **exp1** and **exp2**.
d) Inspect memory to display values of exp1 and exp2 before and after the swap.

Question.2:

Write instructions that print odd numbers from 5 to 15 (use loop).