Kingdom of Saudi Arabia
Ministry of Education
College of computer
Department of Computer Science

المملكة العربية السعودية
وزارة التعليم
كلية الحاسب
قسم علوم الحاسب

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:

Suppose arr_1 array that holds the following values of 32-bit integers (250, 300, 350, 400)

1. Create this array with the correct data type.
2. Use an appropriate operator to find the size of an array. And print it on the console.
3. Create a loop to:
    a. Decrement the array elements
    a. Print the array elements
    b. Use Indirect Register addressing mode

Question.2:

Suppose **Var1: A12345670FFFFFFF .** Declare **var3** of type **qword** that holds integers as hexadecimal. Use an appropriate operator to store only **A1234567** from var3 on the appropriate register, then show the register value.