Kingdom of Saudi Arabia
Ministry of Education
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Department of Computer Science

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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:

Suppose arr_1 array that holds the following values of 16-bit integers (250 , 300, 350, 400)

1. Create this array with the correct data type.
2. Create a loop to:
    a. Move the unsigned value in arr_1 to 32-bit register
    b. Print the array element
    c. Use index addressing mode
    d. Show the register value of each iteration during a loop

Question.2:

Define a variable named (str1) and write the instructions to print the following string, then compare register and memory to verify the variable address.

Quiz CS221
Good Luck