

Questions for Data Definition

Declare a symbolic constant for the ASCII code of Backspace (08h): Using the equal-sign directive, you can declare a symbolic constant like this:

```
BackspaceKey EQU 08h
```

Declare a symbolic constant for the number of seconds in a day. To calculate the number of seconds in a 24-hour period and assign it to a symbolic constant:

```
SecondsInDay EQU 24 * 60 * 60 ; 24 hours * 60 minutes * 60 seconds
```

Calculate and assign the size of the myArray array to a symbolic constant. You can calculate the size of myArray using the sizeof operator and assign it to ArraySize:

```
myArray WORD 20 DUP(?)  
ArraySize EQU sizeof myArray
```

Use TEXTEQU to redefine "proc" as "procedure". To redefine "proc" as "procedure" using a TEXTEQU expression:

```
proc TEXTEQU <procedure>
```

Create a symbol named Sample for a string constant and use it when defining MyString. First, create the text macro for Sample, and then use it to define MyString:

```
Sample TEXTEQU <"This is a sample string">  
MyString BYTE Sample
```

Use TEXTEQU to assign SetupESI to a line of code. To assign SetupESI to the line of code `mov esi, OFFSET myArray`:

```
SetupESI TEXTEQU <mov esi, OFFSET myArray>
```

