

Question 6:

Write a function that computes the average of the 3 variables.

The function name is "func1" and it takes 3 input arguments.

First input argument is var1 with value 10.

Second input argument is var2 with value 11

Third input argument is var3 with value 12

You can use EAX register to return the result from the function.

In the main function, write code to call the function "func1" and send var1, var2, and var3 as

input to the "func1"

You can use registers or stack to send inputs to the function.

```
; _____  
; Calculates the averages of the 3 variables  
; Receives: var1, var2, var3 the three integers (signed or unsigned)  
; Return: eax the averages of the three integers  
; Required: nothing  
; _____
```

```
func1 PROC  
mov eax, 0  
add eax, var1  
add eax, var2  
add eax, var3 ;    eax the sum of three variables  
cdq ; extend eax into edx  
mov ebx, 3  
idiv ebx ;    eax is the quotient and edx is the remainder  
ret  
func1 ENDP
```