```
INT 21H ; Exit program
MAIN ENDP
;-----
; Print 16-bit Hex Procedure
; -----
PRINT_HEX PROC
  MOV CX, 4 ; We have 4 hex digits (16-bit / 4-bit each)
  MOV BX, 12 ; Bit shift amount (12, 8, 4, 0)
HEX_LOOP:
  MOV DX, AX ; Copy AX value
  MOV CL, BL ; Move shift count into CL (Fix for SHR error)
 SHR DX, CL ; Shift right to isolate one hex digit
 AND DX, OFH ; Mask the lower 4 bits
  MOV SI, DX ; Move index to SI
  MOV DL, [HEX CHARS + SI]; Convert to ASCII hex character
  MOV AH, 02H
 INT 21H ; Print the hex digit
 SUB BX, 4 ; Move to the next hex digit
 LOOP HEX_LOOP ; Repeat until all digits are printed
  RET
PRINT HEX ENDP
END MAIN
```

**OUTPUT**: