# **COAL LAB TASK 3 (HOME)**

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#### TASK 1:

#### Code:

```
TITLE "24K-0656 Adnan"
INCLUDE Irvine32.inc
.data
  a DWORD 10h
  b DWORD 12h
  c DWORD 20h
  d DWORD 25h
.code
main PROC
  mov EAX, [a]
  add EAX, [b]
  sub EAX, [a]
  add EAX, [b]
  add EAX, [c]
  add EAX, [d]
 xchg EAX, EBX
  exit
main ENDP
END main
```

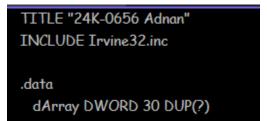
## TASK 2: Code:

```
TITLE "24K-0656 Adnan"
INCLUDE Irvine32.inc
.data
bArray BYTE 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
```

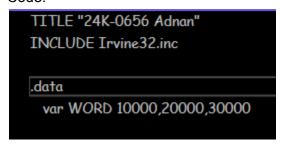
## TASK 3:



## TASK 4: Code:



## TASK 5: Code:



## TASK 6: Code:

```
ITTLE "24K-0656 Adnan"
INCLUDE Irvine32.inc
.data
marks WORD 5 DUP(3 DUP(?))
```

## TASK 7: Code:

```
TITLE "24K-0656 Adnan"
INCLUDE Irvine32.inc
.data
dailySales SDWORD 2500, 10000, 45000, 12000, 15000, 45000, 7000
```

## TASK 8: Code:

TITLE "24K-0656 Adnan"
INCLUDE Irvine32.inc
.data

num1 DWORD 1000h num2 DWORD 2000h

#### TASK 9: Code:

TITLE "24K-0656 Adnan" INCLUDE Irvine32.inc

.data

uArray WORD 20 DUP(5)

#### **TASK 10:**

#### Code:

```
TITLE "24K-0656 Adnan"
INCLUDE Irvine32.inc

.data
   msg BYTE "COMPUTER ORGANIZATION & ASSEMBLY LANGUAGE LAB", 0

.code
main PROC
mov EDX, OFFSET msg
call WriteString

exit
main ENDP
END main
```

#### Output:

Microsoft Visual Studio Debug Console

COMPUTER ORGANIZATION & ASSEMBLY LANGUAGE LAB

D:\Adnan\FAST UNIVERSITY\Semester 3\COA Lab\Pro
Press any key to close this window . . .