RIPHAH
INTERNATIONAL UNIVERSITY

Computer Organization & Assembly Language

LAB 06

Submitted to:

Ma’am Rehana

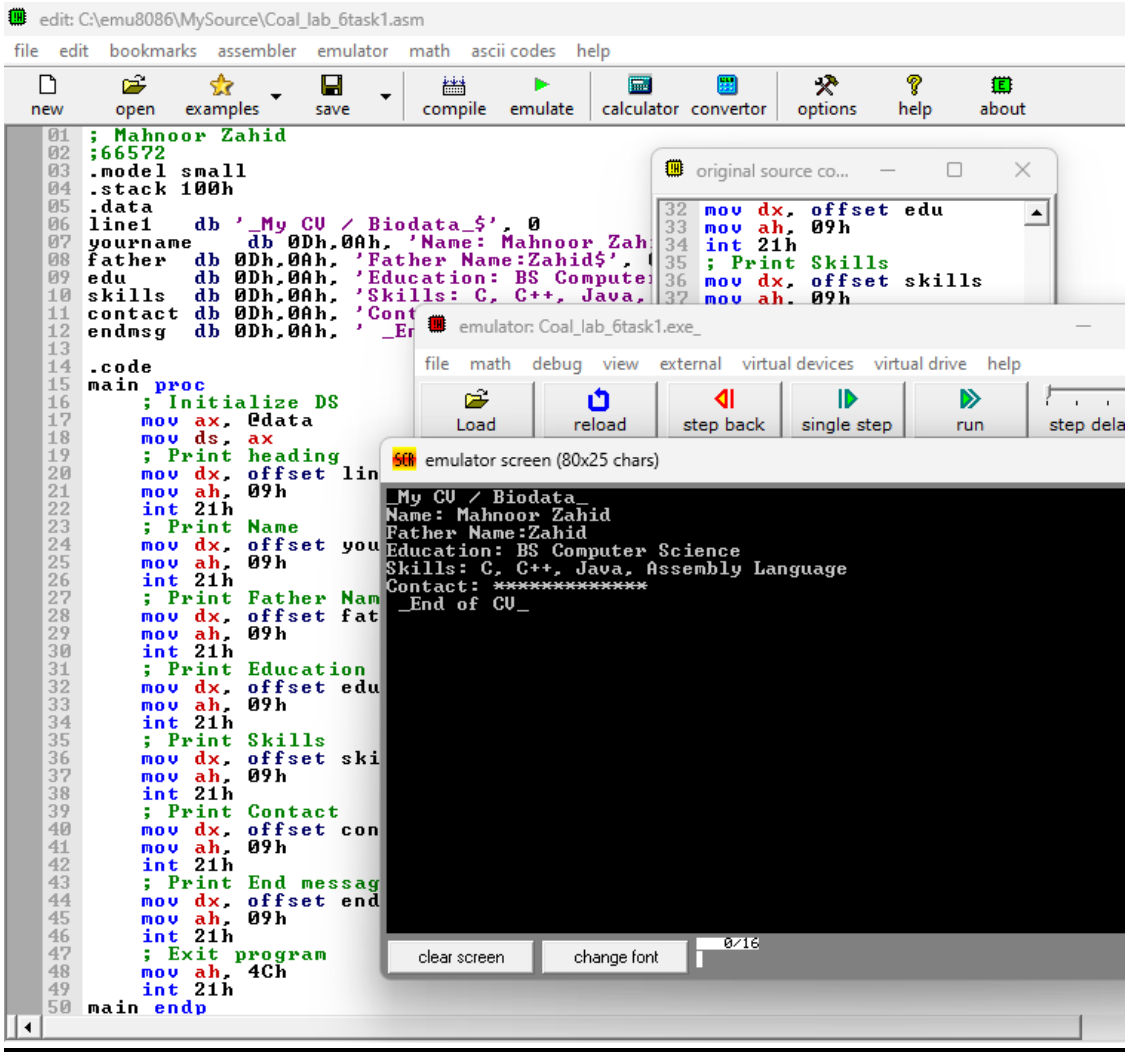
Submitted by:

Mahnoor Zahid

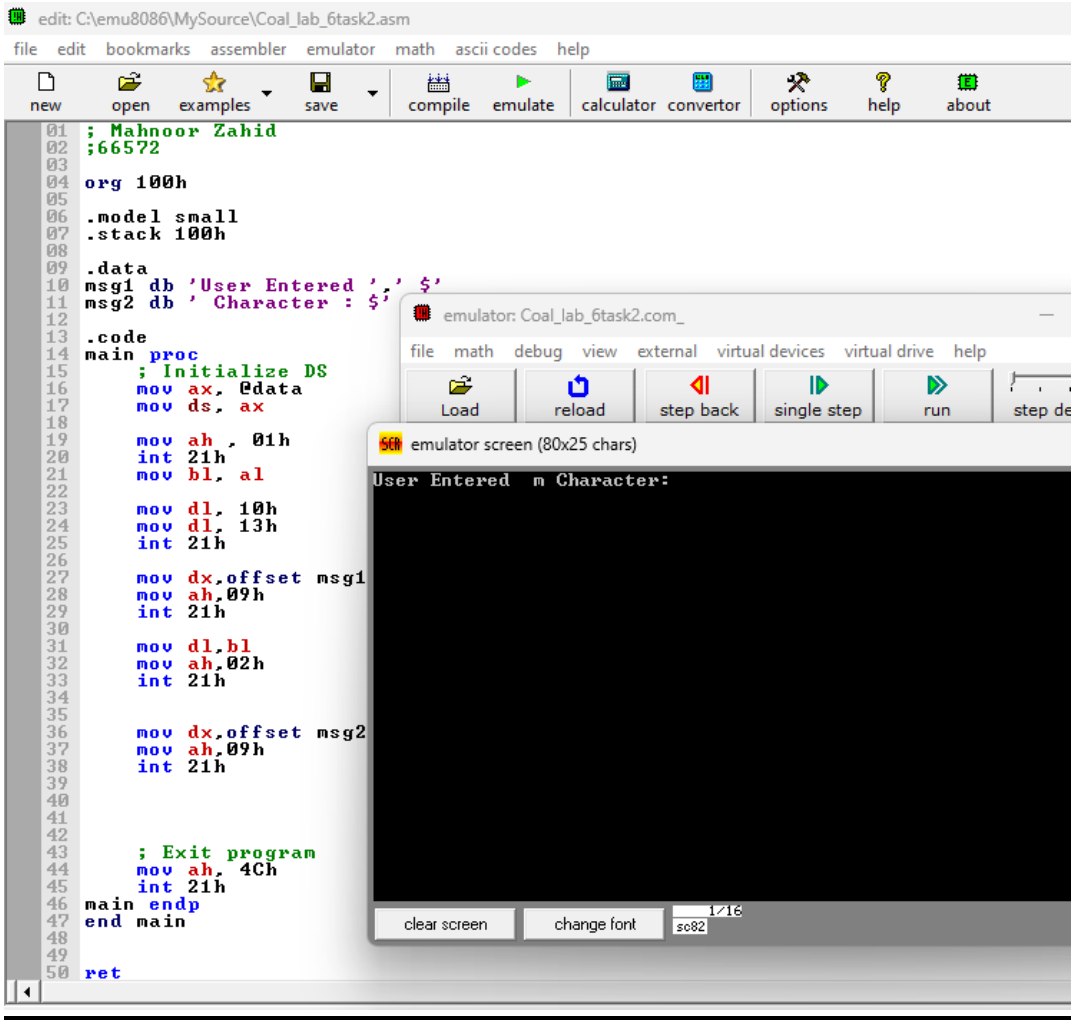
66572

BSCS-3

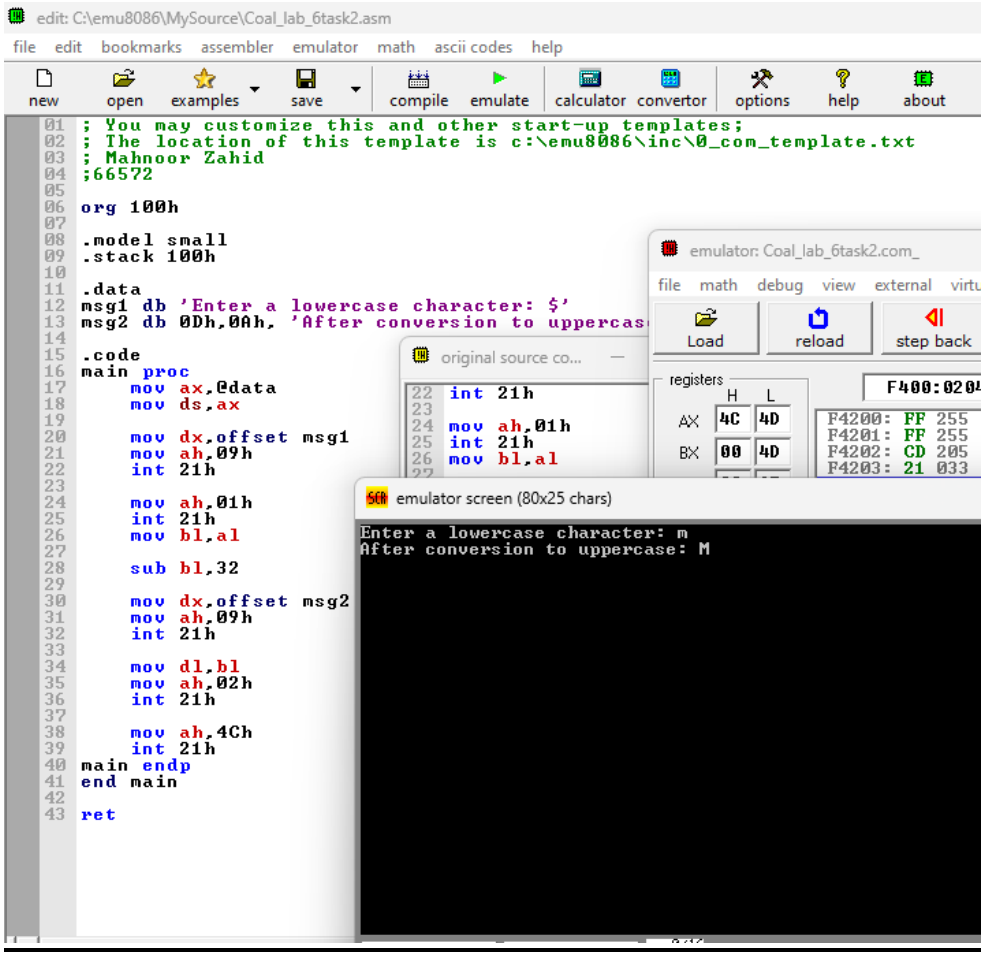
Task 1


edit: C:\emu8086\MySource\Coal_lab_6task1.asm
file edit bookmarks assembler emulator math ascii codes help
new open examples save compile emulate calculator convertor options help about
; Mahnoor Zahid
;66572
.model small
.stack 100h
.data
line1 db '_My CV / Biodata_$', 0
yourname db 0Dh,0Ah, 'Name: Mahnoor Zah
father db 0Dh,0Ah, 'Father Name:Zahid$',
edu db 0Dh,0Ah, 'Education: BS Compute
skills db 0Dh,0Ah, 'Skills: C, C++, Java,
contact db 0Dh,0Ah, 'Cont
endmsg db 0Dh,0Ah, ' _Er
.code
main proc
; Initialize DS
mov ax, @data
mov ds, ax
; Print heading
mov dx, offset lin
mov ah, 09h
int 21h
; Print Name
mov dx, offset you
mov ah, 09h
int 21h
; Print Father Nam
mov dx, offset fat
mov ah, 09h
int 21h
; Print Education
mov dx, offset edu
mov ah, 09h
int 21h
; Print Skills
mov dx, offset ski
mov ah, 09h
int 21h
; Print Contact
mov dx, offset con
mov ah, 09h
int 21h
; Print End messag
mov dx, offset end
mov ah, 09h
int 21h
; Exit program
mov ah, 4Ch
int 21h
main endp
original source co...
mov dx, offset edu
mov ah, 09h
int 21h
; Print Skills
mov dx, offset skills
mov ah, 09h
emulator: Coal_lab_6task1.exe_
file math debug view external virtual devices virtual drive help
Load reload step back single step run step dela
emulator screen (80x25 chars)
My CV / Biodata
Name: Mahnoor Zahid
Father Name:Zahid
Education: BS Computer Science
Skills: C, C++, Java, Assembly Language
Contact: **********
End of CV
clear screen change font
0/16

Task 2


edit: C:\emu8086\MySource\Coal_lab_6task2.asm
file edit bookmarks assembler emulator math ascii codes help
new open examples save compile emulate calculator convertor options help about
; Mahnoor Zahid
;66572
org 100h
.model small
.stack 100h
.data
msg1 db 'User Entered ',' $'
msg2 db ' Character : $'
.code
main proc
; Initialize DS
mov ax, @data
mov ds, ax
mov ah , 01h
int 21h
mov bl, al
mov dl, 10h
mov dl, 13h
int 21h
mov dx,offset msg1
mov ah,09h
int 21h
mov dl,bl
mov ah,02h
int 21h
mov dx,offset msg2
mov ah,09h
int 21h
; Exit program
mov ah, 4Ch
int 21h
main endp
end main
ret
emulator: Coal_lab_6task2.com_
file math debug view external virtual devices virtual drive help
Load reload step back single step run
emulator screen (80x25 chars)
User Entered m Character:
clear screen change font
1/16
sc82

Task 3


edit: C:\emu8086\MySource\Coal_lab_6task2.asm
file edit bookmarks assembler emulator math ascii codes help
new open examples save compile emulate calculator convertor options help about
; You may customize this and other start-up templates;
; The location of this template is c:\emu8086\inc\0_com_template.txt
; Mahnoor Zahid
;66572
org 100h
.model small
.stack 100h
.data
msg1 db 'Enter a lowercase character: $'
msg2 db 0Dh,0Ah, 'After conversion to uppercas
.code
main proc
mov ax,@data
mov ds,ax
mov dx,offset msg1
mov ah,09h
int 21h
mov ah,01h
int 21h
mov bl,al
sub bl,32
mov dx,offset msg2
mov ah,09h
int 21h
mov dl,bl
mov ah,02h
int 21h
mov ah,4Ch
int 21h
main endp
end main
ret
original source co...
int 21h
mov ah,01h
int 21h
mov bl,al
emulator: Coal_lab_6task2.com_
file math debug view external virtu
Load reload step back
registers
H L
AX 4C 4D
BX 00 4D
F400:020
F4200: FF 255
F4201: FF 255
F4202: CD 205
F4203: 21 033
emulator screen (80x25 chars)
Enter a lowercase character: m
After conversion to uppercase: M