

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**PROGRAM:**

.MODEL SMALL

.STACK 100H

.DATA

MSG DB 'HELLO\_!$'

.CODE

MAIN PROC

MOV AX,@DATA

MOV ax,1234h

mov bx,5678h

add al,bl

daa

mov bl,al

mov al,ah

adc al,bh

daa

mov bh,al

jnc next

mov dl,31h

mov ah,02h

int 21h

next:mov dl,bh

and dl,0F0h



**DEPARTMENT OF INFORMATION TECHNOLOGY**

mov cl,04

shr dl,cl

add dl,30h

mov ah,02h

int 21h

mov dl,bh

and dl,0Fh

add dl,30h

mov ah,02h

int 21h

mov dl,bl

and dl,0F0h

mov cl,04

shr dl,cl

add dl,30h

mov ah,02h

int 21h

mov dl,bl

and dl,0Fh

add dl,30h

mov ah,02h

int 21h



**DEPARTMENT OF INFORMATION TECHNOLOGY**

MOV AH,4CH

INT 21h

MAIN ENDP

END MAIN

**OUTPUT:** 6912