**Q.1.**

dosseg

.model small

.stack 100h

.data

    var1 db 5

    var2 db 4

.code

main proc

    mov ax, @data

    mov ds,ax

        mov al, var1

    mov bl, var2

    add al,bl

    mov cl,al

    add cl,48

        mov dl,cl

    mov ah,2

        int 21h

    mov ah,4ch

    int 21h

main endp

end main

**A black screen with white text

Description automatically generated**

**Q.2.**

dosseg

.model small

.stack 100h

.data

    var1 db 5

    var2 db 4

.code

main proc

    mov ax, @data

    mov ds,ax

        mov al, var1

    mov bl, var2

    sub al,bl

    mov cl,al

    add cl,48

        mov dl,cl

    mov ah,2

        int 21h

    mov ah,4ch

    int 21h

main endp

end main

**A screen shot of a computer

Description automatically generated**

**Q.3.**

dosseg

.model small

.stack 100h

.data

    var1 db 5

    var2 db 4

.code

main proc

    mov ax, @data

    mov ds,ax

    mov al, var1

    mov bl, var2

    mul bl

    AAM

    mov ch,ah

    mov cl,al

    mov dl,ch

    add dl,48

    mov ah,2

    int 21h

    mov dl,cl

    add dl,48

    mov ah,2

    int 21h

    mov ah,4ch

    int 21h

main endp

end main

**A screenshot of a computer

Description automatically generated**

**Q.4.**

dosseg

.model small

.stack 100h

.data

var1 db 6

var2 db 2

q db ?

r db ?

.code

main proc

    mov ax, @data

    mov ds, ax

    mov al, var1

    mov bl, var2

    mov ah, 0

    div bl

    mov q, al

    mov r, ah

    add q,48

    add r,48

    mov dl, q     ; quotient

    mov ah, 2

    int 21h

    mov dl, 10

    mov ah, 02h

    int 21h

    mov dl, 13

    mov ah, 02h

    int 21h

    mov dl, r    ; remainder

    mov ah, 2

    int 21h

    mov ah, 4Ch

    int 21h

main endp

end main

**A screen shot of a computer

Description automatically generated**

**Q.5.**

dosseg

.model small

.stack 100h

.data

string db "Arham",'$'

.code

main proc

    mov ax, @data

    mov ds, ax

    mov dx,offset string

    mov ah,9

    int 21h

    mov dl, lengthof string

    add dl,48

    mov ah,2

    int 21h

    mov dl, type string

    add dl,48

    mov ah,2

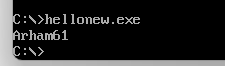
    int 21h

    mov ah,4ch

    int 21h

main endp

end main

****