

```

.model small
.stack 100h
.data
    arr db 100 DUP(?)
    len db ?
    res db 0
    Q db 0
    R db 0
    D db 0Ah
    endl db 13,10,'$'
    S2 db 13,10,'Enter Value: $',13,10
    S3 db 13,10,'Result: $',13,10
    S1 db 13,10,'Size: $',13,10

.code

    MOV ax,@data
    MOV ds,ax

    MOV ah,09h    ;Message for accepting
    LEA dx,S1     ;offset for printing
    INT 21h

    MOV ah,01h    ;Accepting Size
    INT 21h

    SUB al,30h
    MOV len,al    ;Storing size in variable

    MOV cl,len    ;Moving size in counter
    MOV ch,00

    LEA si,arr    ;Setting pointer at initial position

loop1:MOV ah,09h    ;Message for accepting
    LEA dx,S2
    INT 21h

    MOV ah,01h    ;Accepting array elements
    INT 21h

    MOV [si],al   ;Storing array elements

    INC si
    LOOP loop1

    LEA si,arr    ;Setting pointer at initial position

    MOV cl,len    ;Moving size in counter
    MOV ch,00

    MOV ah,09h    ;Output Message
    LEA dx,S3
    INT 21h

    MOV al,00

loop2:MOV dl,[si]
    ADD res,dl
    SUB res,30h

```

```
INC si  
LOOP loop2
```

```
MOV ah,00  
MOV al,res  
DIV D
```

```
ADD al,30h  
ADD ah,30h
```

```
MOV Q,al  
MOV R,ah
```

```
MOV dl,Q  
MOV ah,2h ;Printing Result  
INT 21h
```

```
MOV dl,R  
MOV ah,2h  
INT 21h
```

```
MOV ah,4ch  
INT 21h
```

```
END
```