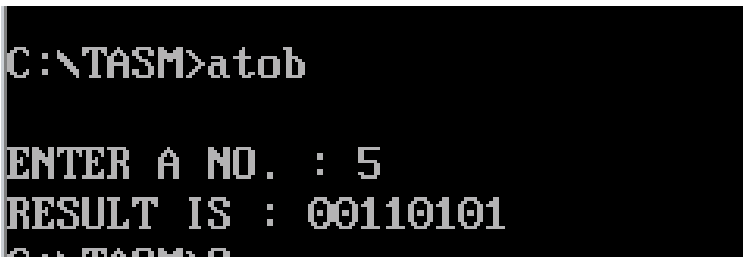
ASCII TO BINARY

```
.MODEL SMALL
.DATA
        MESG DB 10,13,"ENTER A NO. : $"
        RESULT DB 10,13,"RESULT IS : $"
.CODE
.STARTUP

        MOV DX,OFFSET MESG ;input msg
        MOV AH,09H
        INT 21H

        MOV AH,01H
        INT 21H

        MOV BL,AL
        MOV DX,OFFSET RESULT ;output msg
        MOV AH,09H
        INT 21H

        MOV CL,08H
        MOV AH,00H
        MOV AL,BL

        L1: SHL AL, 01H
            MOV BL,AL
            MOV AL,00H
            ADC AL,30H
            MOV DL,AL
            MOV AH,02H
            INT 21H
            MOV AL,BL
        LOOP L1
.EXIT
END
```

OUTPUT



BINARY TO ASCII

```
.MODEL SMALL
.DATA
        INPUT DB 10,13,"ENTER BINARY NO : $"
        OUTPUT DB 10,13,"THE ASCII CHARACTER IS : $"
        ARR DB ?
.CODE
.STARTUP

        MOV AH,09H
        MOV DX,OFFSET INPUT  ;input msg
        INT 21H

        MOV BL, 00H
        MOV CL,08H

        INPUT1: MOV AH,01H
              INT 21H

              SUB AL,30H
              SHL BL,1

              ADD BL,AL
        LOOP INPUT1

        MOV AH,09H
        LEA DX,OUTPUT ;output msg
        INT 21H

        MOV AH,02H
        MOV DL,BL     ;display the ascii value
        INT 21H
.EXIT
END
```

OUTPUT