LAB-6
nCr program

.model small
.DATA
N DW 4
R DW 2
NCR DW 0

.CODE
mov AX, @DATA
mov DS, AX
mov AX, N
mov BX, R
CALL NCRPRO
CALL DISP
JMP FINAL

NCRPRO   PROC NEAR
          CMP AX, BX
          JE RES1
          CMP BX, 0
          JE RES1
          CMP BX, 1
          JE RESN
          DEC AX
          CMP BX, AX
          JE INCR
          PUSH AX
          PUSH BX
          CALL NCRPRO

```
POP    BX
POP    AX
DEC    BX
PUSH   AX
PUSH   BX
CALL   NCR PRO
POP    BX
POP    AX
RET
RES1 : INC NCR
RET


INCR : INC NCR
RESN : ADD NCR , AX
RET
NCRPRO  ENDP


DISP   PROC NEAR
       MOV   BX, NCR
       ADD   BX, 3030H
       MOV   DL, BH
       MOV   AH, 03H
       INT   01H
       MOV   DL, BL
       MOV   AH, 02H
       INT   01H
       RET
       DISP ENDP
   FINAL : MOV AH, 4CH
           INT 01H
           END
```