Program:

1)Fibonacci Series:

ORG 0000H

MOV R0 , #0

MOV R1 , #1

MOV A , #0

ACALL FIB

SJMP FINISH

FIB:

INC R0

ADD A , R1

MOV B , R1

MOV R1 , A

MOV A , B

CJNE R0 , #07 , FIB

FINISH:

END

2)Factorial of 6:

ORG 0000H

MOV R0 , #06

MOV A , #01

LCALL FACT

SJMP $

FACT :

CJNE R0, #01 , LOOP

RET

LOOP:

MOV B , R0

MUL AB

DEC R0

LJMP FACT

RET

END