LAB 2

NAME = RACHAPPA

SRN = PES1UG19CS359

ROLLNO ==1

1.Implementation of ARM7TDMI code for GCD

.data

num1: .word 6

num2: .word 32

result: .word 0

.text

LDR R1, =num1

LDR R2, =num2

LDR R1, [R1]

LDR R2, [R2]

loop:

CMP R1, R2;

SUBGT R1, R1, R2;

SUBLT R2, R2, R1;

BNE loop

BEQ EX

EX: SWI 0x011