INSTITUTE OF COMPUTER TECHNOLOGY

B-TECH COMPUTER SCIENCE ENGINEERING 2025-26

SUBJECT:-Algorithm Analysis and Design

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ENRLL. NO: 23162171020

BRANCH: CYBER SECURITY

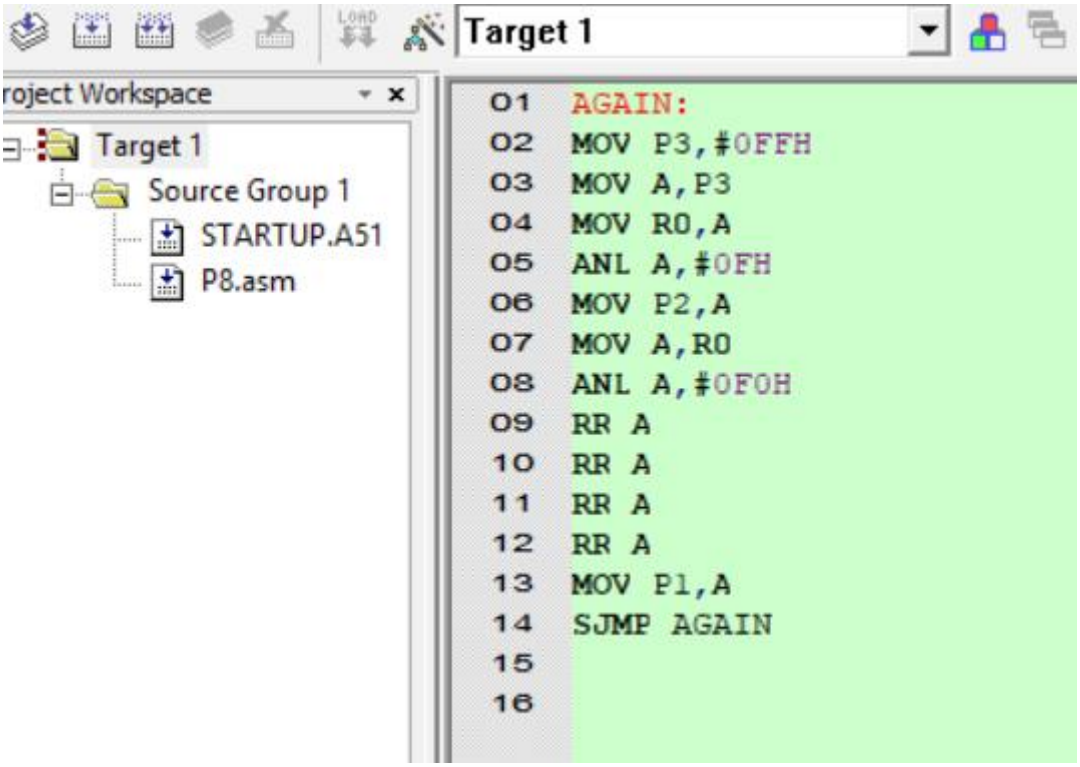
BATCH: 52

PRACTICAL_8

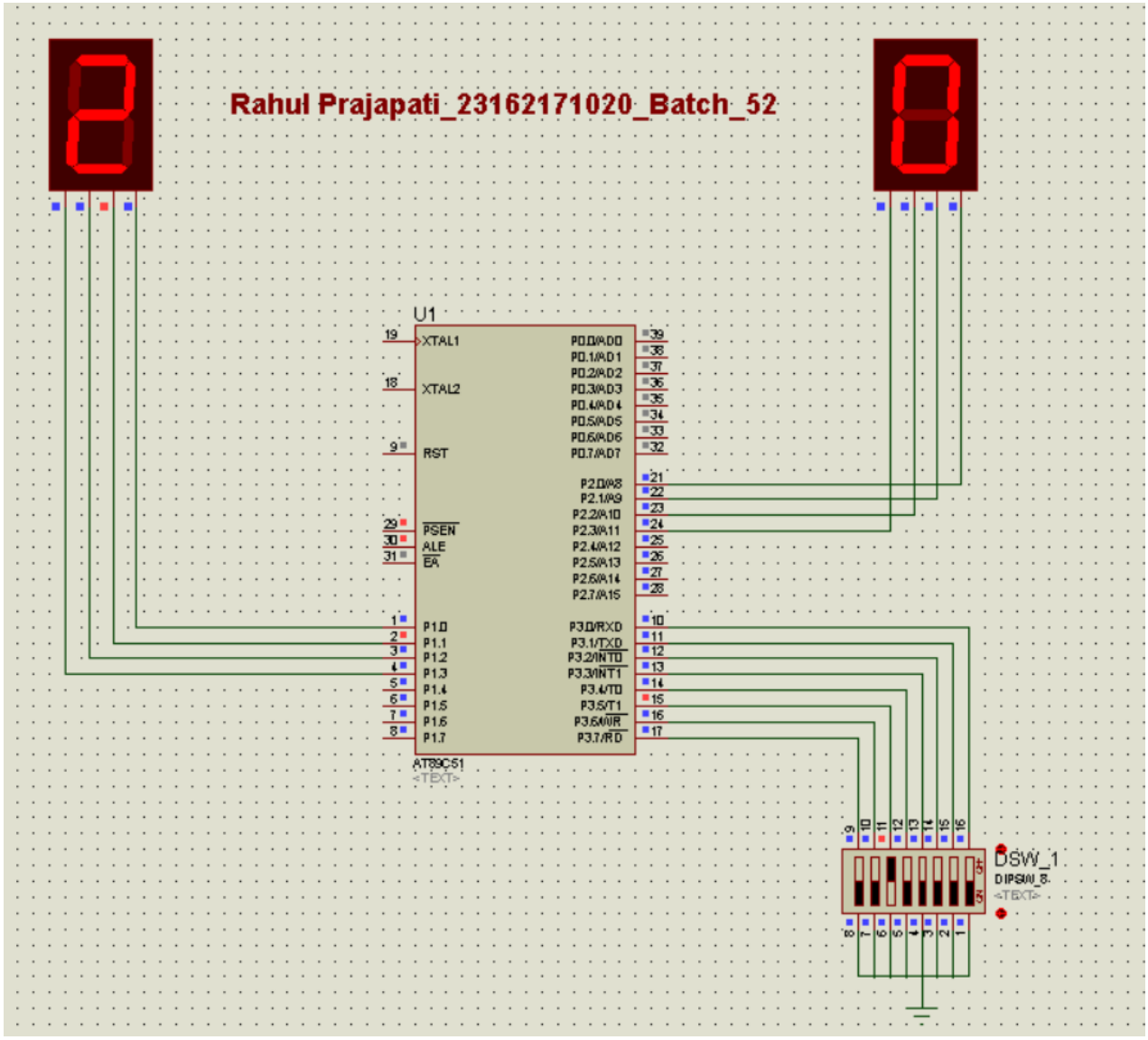
Aim:

A) Write an assembly language program to convert a Packed BCD number (received from port 3) into unpacked BCD and display the separate digits on port 1 and port 2 using seven segment display. Desing the complete hardware in proteus and execute it.

CODE:



OUTPUT:


Rahul Prajapati_23162171020_Batch_52
U1
XTAL1
XTAL2
RST
PSEN
ALE
EA
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
AT89C51
DSW_1