Name: N.Divya Sai

Roll No.: FWC22094

ASSIGNMENT-1
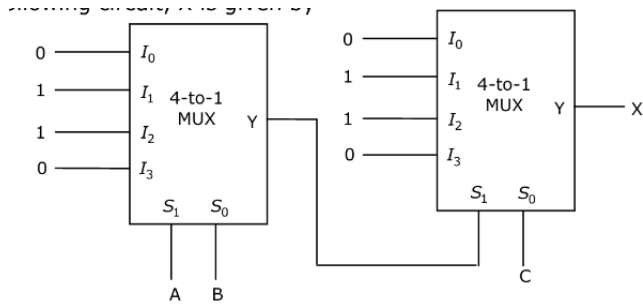**Avr-gcc**

0.1 Question-2007 Q43

In the following circuit,X is given by

0.2 Contents

Abstract- **This manual shows the output X,for the given input A,B,C**

0.3 Components

Component	Value	Quantity
Arduino	UNO	1
USB		1

0.4 Hardware

Connect arduino pins 2,3,4 to bread board.Based on the truth tabel,check for each value.Observe the in-built led on the arduino board will turn ON or OFF

0.5 Solution

Expression:AB'C'+A'BC'+A'B'C+ABC
Truth Table

A	0	0	0	0	1	1	1	1
B	0	0	1	1	0	0	1	1
C	0	1	0	1	0	1	0	1
X	0	1	1	0	1	0	0	1

1.Go to the working directory and execute and upload the code.
2.Whenever you change the inputs you will see the respective output.