**Name:** Tanmay Vig

**Roll No:** 19BCS061

**Class:** 3rd year B. Tech CSE

Experiment No 7: To design and implement an Embedded System that displays the roll no and name on LCD screen using 8051 microcontrollers.

**Stuff Required:** KEIL µVISION IDE.

**Program:**

C code:

#include <lcd.h>

void main(void){

LCD\_INIT();

LCD\_WRITE("Tanmay Vig",0,0);

LCD\_WRITE("19BCS061",1,0);

while(1);

}

HEX code:

:10095D0054616E6D61792056696700313942435398

:0D096D0030363100C0801014181C0F01023C

:0609BE00010E00010D0016

:10091D00E4FDFCC3ED9FEC9E5015E4FBFA0BBB0010

:0F092D00010AEB64644A70F50DBD00010C80E413

:01093C002298

:0C09B200D2827F0A7E0012091DC2822240

:1008D900A907E4F580C282C280C281E954F04408C4

:1008E900F5801209B2E9540FC454F04408F58002A6

:0208F90009B242

:1008B600C282C280C2817580201209B27F011208ED

:1008C600D9900977E493FF1208D9900979E493FF48

:0308D6000208D93C

:1008FB00A907758001C282D280C281E954F04409F4

:10090B00F5801209B2E9540FC454F04409F5800282

:02091B0009B21F

:10099300AE05EF6003430640430680AF060208D965

:10088C008B088A09890AAF05AD0C120993AB08AA2B

:10089C0009A90A12097AFF60101208FB7401250AD3

:0A08AC00F50AE43509F50980E4229D

:0F09A300900973E493FF1208D9E493FF0208D977

:10093D001208B67BFF7A09795DE4F50CFD12088C7F

:10094D007BFF7A097968E4F50C7D0112088C80FE35

:03000000020800F3

:0C080000787FE4F6D8FD75810F020847F0

:10097A00BB010689828A83E0225002E722BBFE027B

:09098A00E32289828A83E49322AE

:10080C0002093DE493A3F8E493A34003F68001F2BC

:10081C0008DFF48029E493A3F85407240CC8C333ED

:10082C00C4540F4420C8834004F456800146F6DFBC

:10083C00E4800B01020408102040809009BEE47E85

:10084C00019360BCA3FF543F30E509541FFEE493B1

:10085C00A360010ECF54C025E060A840B8E493A378

:10086C00FAE493A3F8E493A3C8C582C8CAC583CAA3

:10087C00F0A3C8C582C8CAC583CADFE9DEE780BE5B

:0109C4000032

:00000001FF

**Result:**

Name and Roll No. are printed on LCD screen