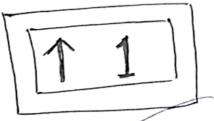
Experiment no 06

Name of the experiment, But write a moonanton dot matrix display intenfacing with Mc microcontroller Objective(s)

(i) to learn matrix display understocing with PJC/6F877A (i) to design and understanding circuit diagram.

Theory: A dot mothix display is a display device which contain light emitting diode aligned matrix Dot matrix displays are used in application where Symbol Inophic, characteristics, appearbed number are needed to be displayed in static as well & scholling motion.

A typical. dot matrix display is show below



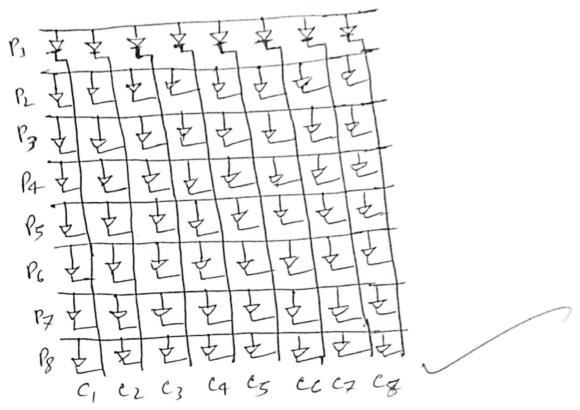
fill: A typical dot matrix display is using

in Lista.

Types of dot matrix) Dot matrix displays is monufractured invornous dimensions like 5x7,8x8 16×8, 32×8, 64×64 and 188×64 where the number represent LED'S is reads and columns:

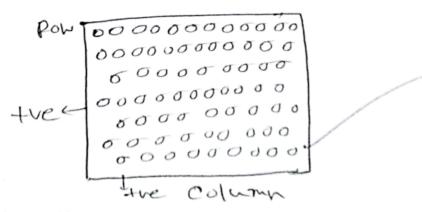
Construction of motion displays: In dot mothix display. Multiple LFD's are weited wined-fogether in move and columns, The motrix pattern is more editor in Howard

eduran onode pattern. In two ande column fattern the entire now is anote which all column serve eather.



Jid construction of pot mothix display.

In Dot mothix Display each LED can be construct
individually by controlling the current through each
pain of column and now.



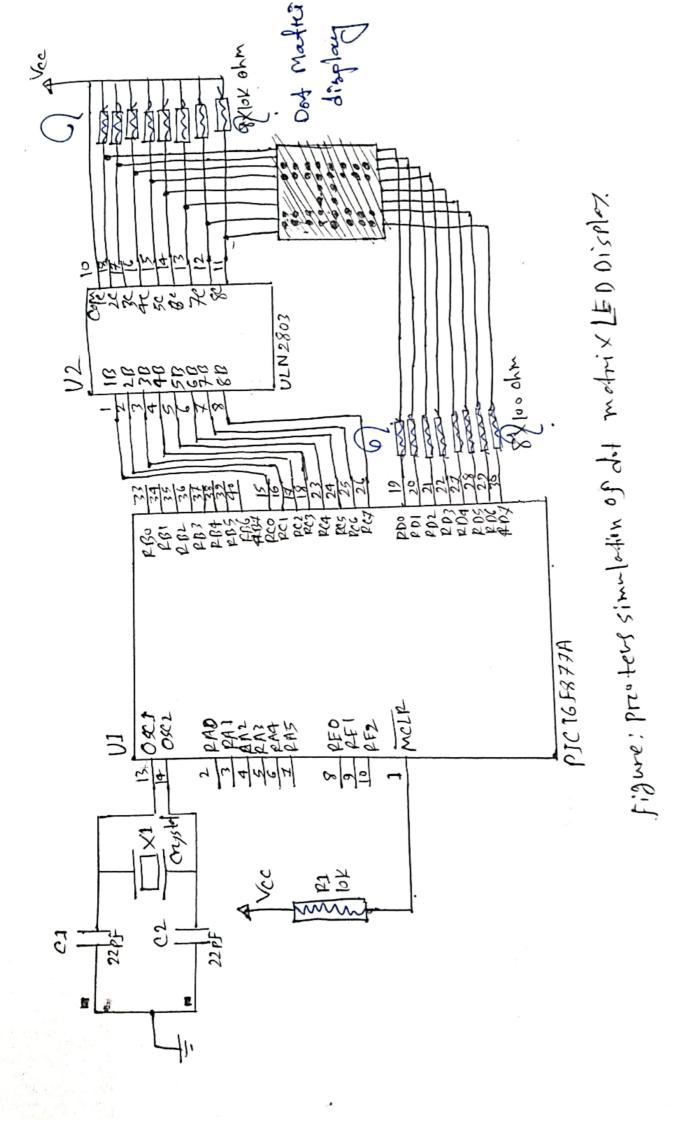
fill: working mechanism of dot mothic

How to generate code for Dot matrix Display,

The Serence Code										
1	1	2	フ	4	5	G	7	8		HEX
+	0	1	1	0	0	1	1	0	0000000000	OX00
2	6	1	<u> </u>	6	0	ī		0	061111111	ex13
3	0	1	1	0	6	1	(0	0611111111	ox 3.3
4	0	1	 	1	1	1	1	0	06001100	OX 18
5	0	1	,	1	1	1	-	0	06001100	oX18
6	0	1	'	-	0	1	,	0	061111111	oxtl
-		,	1	0		ļ.,	'-	-	The second secon	OX AFF.
7	0	1	1	0	G	1	,	0	0511111111	
8	6	1	1	0	0	1	,	0	0600000000	0 X 00
_							,			



Apparatus pequined: PJC16F877A, Crystol, copaciton, tresiston, 8X8 dot mothix display, panegrem transforance.



```
Void respely (unsigned chantime)
source code 1
      for (720, 724)

(20, 20, 20; 2+i)
         Joid main ()
              TRISC = WOO;
              while (0)
                 POPTO 2 0×80.
                 POFT ( 2 0×00)
                  Ms Deloy (19);
                  PORT D 20×40;
                   POPTC = OXSS;
                   mspel9 (10);
                   POPTO =OXIO;
                    MsDelay & oxfo(10)
                     PORTD2 0×18;
                     MsDeloy (19)
                     POPTE = 0X JS)
                      POPTD = 0×22;
                      Mspelay (-10);
                       POPTOZOXOI.
                    3 Prsnelay (10),
```