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Section: 07

Group No. 5

```
#include"tishitu_root.h"
void init_lcd()
{
    command(0x3c);
    command(0x0c);
    command(0x06);
}
void command(int a)
{
    ready();

    P1=a;
    P3_2=0x00;
    P3_3=0x00;
    P3_4=0x01;
    P3_4=0x00;
}
void display(char *str)
{
    unsigned int i;
    for(i=0;i<=strlen(str)-1;++i)
    {
        if(i==16)
            command(0x80);
        ready();
        P1=str[i];
        P3_2=0x01;
```

```

    P3_3=0x00;
    P3_4=0x01;
    P3_4=0x00;
}
}
void firstline()
{
    command(0x01);
    command(0x80);
}
void loading(unsigned int l)
{
    unsigned int i;
    firstline();
    display(" Welcome to: ");
    secondline();
    for(i=0;i<=16;i++)
    {
        msdelay(l);
        display(".");
    }
}

void secondline()
{
    command(0xc0);
}

void ready(void)
{
    P3_4=0x00;
    P1=0xff;
    P3_2=0x00;

```

```
P3_3=0x01;
while(P1_7)
{
P3_4=0x00;
P3_4=0x01;
}
P3_4=0x00;
}
void msdelay(unsigned int itime)
{
unsigned int i,j;
for(i=0;i<itime;i++)
{
for(j=0;j<110;j++)
{;}
}
}
```