

Name : Tulsi Andhare Roll no :E3415 EXP no 3 stepper motor half drive

```
#include<reg51.h>
```

```
void Delay(void)
```

```
{
```

```
    unsigned int x;
```

```
    for (x=0; x<1000; x++)
```

```
    {
```

```
        TMOD=0x01;
```

```
        TH0=0xFC;
```

```
        TL0=0x18;
```

```
        TR0=1;
```

```
        while (TF0==0);
```

```
        TR0=0;
```

```
        TF0=0;
```

```
    }
```

```
}
```

```
void main()
```

```
{
```

```
    while(1)
```

```
    {
```

```
        P1=0x08;
```

```
        Delay();
```

```
        P1=0x0C;
```

```
        Delay();
```

```
        P1=0x04;
```

```
        Delay();
```

```
        P1=0x06;
```

```
        Delay();
```

```
        P1=0x02;
```

```
        Delay();
```

```
        P1=0x03;
```

```
Delay();
```

```
P1=0x01;
```

```
P1=0x09;
```

```
Delay();
```

```
}
```

```
}
```

```
//output
```

