

- ② Drive a Stepper Motor interface to rotate the motor in clockwise by N steps. Introduce suitable delay between successive steps.

```
sol:- #include <stdio.h>
```

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

```
char data Port = 0x803;
```

```
char data Porta = 0x800;
```

```
char data acc = 0x30;
```

```
delay()
```

```
{
```

```
int i;
```

```
for (i=0; i<800; i++)
```

```
{
```

```
{
```

```
Port = 0x80;
```

```
while(1)
```

```
{
```

```
acc = 0x88;
```

```
Porta = acc;
```

```
delay();
```

```
acc = 0x44;
```

```
Porta = acc;
```

```
delay();
```

```
acc = 0x22;
```

```
Porta = acc;
```

```
delay();
```

```
acc = 0x11;
```

```
Porta = acc;
```

```
delay();
```

```
}
```

```
}
```