

## Tablet pop up

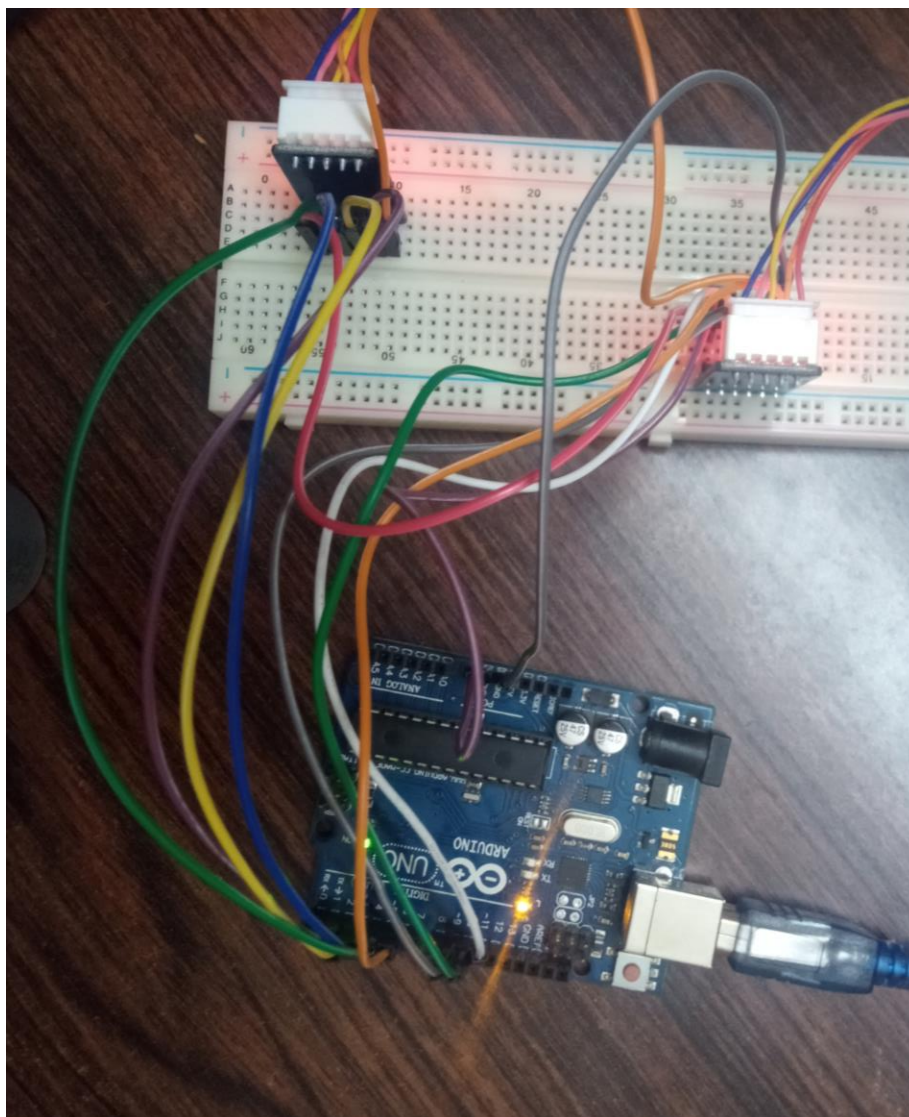
### Component used

Arduino

Stepper motor (3)

Jumper wire

Circuit diagram



Code

```
#include<Stepper.h>
```

```
int stepnum=2000;
int i,j=0;
int next=0;
int pre=5;
Stepper SurtStepper(stepnum,9,11,10,6);
Stepper Surt1Stepper(stepnum,3,5,4,2);
void setup()
{
  SurtStepper.setSpeed(9);
  Surt1Stepper.setSpeed(9);
}
void loop() {
  if(next>pre)
  {
    for(i=0;i<(next-pre);i++)
    {
      Surt1Stepper.step(50);
      delay(500);
    }
    delay(1000);
    for(j=0;j<2;j++)
    {
      SurtStepper.step(400);
      SurtStepper.step(-400);
      delay(500);
    }
  }
}
```

```
else
{
for(i=0;i<(pre-next);i++)
{
Surt1Stepper.step(-50);
delay(500);
}
delay(1000);

for(j=0;j<2;j++)
{
SurtStepper.step(400);
SurtStepper.step(-400);
delay(500);
}
}
}
```