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Exp. 13

IR based SERVO Motor Controller.

Aim.

Design IR based SERVO Motor Controller

Hardwares Required:-

Arduino Board, Breadboard Small, IR Sensor,
IR Remote , MicroServo

Code:-

```
int RECV-PIN=11;
IRrecv irrecv (RECV-PIN);
decode_results results;

servo myservo

void setup()
{
    Serial.begin(9600);
    irrecv.enableIRIn();
}

void loop()
{
    if (irrecv.decode(& results))
    {
        switch (results.value)
        {
            case 0 x FD00FF:
                myservo.attach(9);
                serial.println("start");
                break;
```

```
case   0xFD609F:
         myservo.write(360);
         serial.println("clockwise");
         break;

case   0xFD20DF:
         myservo.write(-360);
         serial.println("counter clockwise");
         break;
default:
         serial.println("Unrecognized code received: 0x");
         serial.println(results.value, HEX);
         break;
      }

         irrecv.resume();
      }
}
```