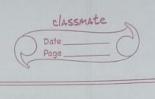
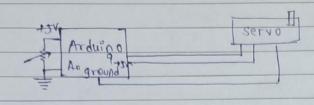




· consume 10mA (I) [idle] 100mA - 250mA [rotating] Here, provides a pulse after every 20ms. Pulse high for 1 ms servo is o degrees. 1.5 ms servo is 90 degrees 2 ms servo is 180 degress. Ardino cade: Es Temporature cratical of room #include <servo.h> servo int myservo; // create servo object Int Pos = 0; // variable. void setup a for man i hardan samper myservo. attach (9); void loop () ? for (Pos = 0; Pos < 180; Post=1) 11 in steps of degrees. myservo. write (POS); 1 delay (15) meineman a viss « for (POS = 180: POS > = 0; POS-1). myservo. write (POS); Delay (15) verify & use in proteus. Velops grow stops intering Eq Sty To



· There are libraries in IDE



To get different degree using variable registor (Pot) 0-1800

map. (mapthevalue).

· code

#include (servo h)

servo myservo; // create servo object. int pot pin = 0;

int val;

void setup () { myservo attach (9); 3

void loop () }

val = analog Read (Pot Pin);

val = map (val, 0, 1023, 0, 18); //scale + to myservo; write (val); 1/3ets servo. we it.
Aplay (15):

Position.

Jelay (15);

-> conclusion: with the use of resistance varrying the servo motor starts and stops rotating with the use of arduino.

- Applications :

- i) (ameras, antenna, Robotic, rextile industry.
- 17) Robotics Robotic arms
- iii) conveyer belts.
- Robotic vehicles & solar traking system. (vi