

4. Code for servo motor-

```
#include<ESP8266WebServer.h>
#include<Servo.h>
ESP8266WebServer gayuserver;
Servo topServo;
Servo bottomServo;//oh BADLUCK!,2nd motor has gone mad!

const char username [] = "servo";
const char password [] = "subspace";
void setup()
{
  Serial.begin(115200);
  Serial.println("hey itz FIRST STEP ..GOING TO BEGIN THE WIFI!..SEE U
AT LATER STAGE!!");
  WiFi.softAP(username, password);
  IPAddress myip = WiFi.softAPIP();
  gayuserver.begin();
  gayuserver.on("/unlock", unlock);
  Serial.print("AP IP Address: ");
  Serial.println(myip);

  topServo.attach(12);
  //bottomServo.attach(14);//defining pin number to output

}
void loop()
{
  gayuserver.handleClient();
  Serial.println("hendling clients!!");
}
void unlock()
```

```

{
    //String myhtml = "<html><head><title>  DOOR UNLOCK</title> <h1>
<center> KEY TO UNLOCK YOUR DOOR
</center></h1><form></form>><button type=\"submit\" name=\"key\"
value=\"0\" >openmydoor</button>  </form>  </head></html> ";
    String myhtml = "<html><head><title>Door Lock-Unlock
System</title></head><body style=\"background-color:
red\"><h1><center><font size=\"108\">Key To
Room</font></center></h1><h1><center><font color=\"white\"
size=\"108\">\"Welcome\"</font></center></h1><h2><font color=\"white\"
size=\"96\"><marquee>\"IIT PKD Me Apka Swagat
Hai\"</marquee></h2></h2></font><form><br><center><button
type=\"submit\" name=\"state\" value=\"0\" style=\"font-size:35px\" color=
yellow> UNLOCK </button></center></form></body></html>";
    gayuserver.send(200, "text/html", myhtml);
    if (gayuserver.arg("state") == "0")
    { Serial.print("starting motors...");

        topServo.write(180);
        // bottomServo.write(180);
        delay(5000);

        topServo.write(90);
        //bottomServo.write(90);
        delay(2000);

        //topServo.write(180);
        //delay(2000);

    }
    if(gayuserver.arg("state") == "1")
    {

```

```

Serial.println("warning :IF IT'S ALREADY LOCK,THEN U ARE GOING TO
UNLOCK");
topServo.write(0);
bottomServo.write(0);
delay(2000);

}
}
//void welcome()
//{
//String myhtml2 = " <html><head><title>welcome
webpage</title></head><body>   <center>welcome
home</center></body></html>";
//gayuserver.send(200, "text/html",myhtml2);
//}
/*void touch()
{
String mytouch ="<html<head>  <title>My first web
page</title></head><body style=\"background-color:palegreen\">  <h1>
<center>touch me</center>  </h1>      <form
action=\"web://microsoft.microsoftedge/assets/errorpages/dnserror.html#fil
e:///C:/Users/Admin/Pictures/iot%20works/html%20pages/helloweb://microso
ft.microsoftedge/assets/errorpages/dnserror.html#file:///C:/Users/Admin/Pi
ctures/iot%20works/html%20pages/helloweb://microsoft.microsoftedge/ass
ets/errorpages/dnserror.html#file:///C:/Users/Admin/Pictures/iot%20works/h
tml%20pages/hello\"  <input type=\"submit\" value=\"touch\"
/></form></body></html>";
gayuserver.send(200,"text/html",mytouch);
}*/

```

