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***COURSE:*** *COMPUTER ARCHITECTURE* ***(LAB)***

***ASSIGNMENT # 2***

***SUBMITTED TO:*** *SIR ABUZAR ZAFAR*

***CODE:***

*#include <Servo.h>*

*#include <LiquidCrystal.h>*

*int pinPotentio = A0;*

*Servo servoMotor;*

*int potPos;*

*LiquidCrystal lcd(12, 11, 5, 4, 3, 2);*

*void setup() {*

*lcd.begin(16, 2);*

*servoMotor.attach(9);*

*pinMode(pinPotentio,INPUT);*

*analogReference(INTERNAL);*

*}*

*void loop () {*

*potPos = map(analogRead(A0), 0, 1023, 0, 180);*

*servoMotor.write(potPos);*

*lcd.setCursor(0,0);*

*lcd.print("POTENTIOMETER VAL");*

*lcd.setCursor(0,1);*

*lcd.print(potPos);*

*delay(15);*

*}*