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***STUDENT ID:*** *63555*

***CLASS ID:*** *104486*

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

***TASK #:*** *11*

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

***CODE:***

*#include <LiquidCrystal.h>*

*#include <Servo.h>*

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

*int pinServo = 7;*

*int pinButton = 6;*

*Servo servoMotor;*

*int count = 0;*

*void setup() {*

*lcd.begin(16, 2);*

*servoMotor.attach(pinServo);*

*pinMode(pinButton, INPUT);*

*lcd.print("BUTTON COUNT");*

*}*

*void loop() {*

*if(digitalRead(pinButton)== 1)*

*{*

*servoMotor.write(0);*

*servoMotor.write(180);*

*count++;*

*lcd.setCursor(0,1);*

*lcd.print(count);*

*delay(1500);*

*servoMotor.write(0);*

*}*

*}*

***ANSWER # 1:***

* *Toys*
* *Air Compressor*
* *Elevators*
* *Vacuum cleaner*

***ANSWER # 2:***

* *CNC Machines*
* *Printing Machines*
* *Robots*

***ANSWER # 3:***

* *3D Printing Equipment*
* *Textile Machinery*
* *Welding Equipment*

*Because it divides FULL ROTATION into a number of equal steps.*