

Assignment No.13

	175 19hment No. 13
grindin-	Title - 1)
Y	Title:- Write a program using piezo element &
1	t Objectives: - 12nda
	so onuerstanding working principles
2714	of Bultons & Buzzers
	Ardwin Button Ruzzer abo
3 +	Hrawhy Inc
	+ Apparatus: - Arduino Uno board, micro - IoT
	Separa actual 1
	sensor actuator board, power adaptor.
#	Interface:
	Peripheral Arduino Pin
	/ piezo element
41112	in 'no stood out says matter du que
	Procedure:
	Stept! connect the Arduino board to the Micro-IoI
	sensor board using the FRC cable +
t of	provided with the board.
	Step2: Connect the power supply adaptor a
	power on the circuit
1 27	Step3:- Open Ardwing IDE & create a new sketch
dio 1-2	(program) using the above pins.
	step4: In the Ardwino IDE go to took port
	& select the appropriate comport.
	steps: In grawino () to compile & download
	the code into the Arduino UNO. when
247	



Histograph No L3

	Dr. D. Y. PATIL EDUGATIONAL PEDENATION
STATE OF THE PARTY	Successfully downloaded the
Name of State of Stat	Successfully downloaded the code will start running Steps: Tap on a piezo element in tune.
AND THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	element whate
#	Theory:
Fig.	Arduine Mula
	Piezo Buzzet - One
A TON	One was car should be a second
no turt	resistor - one
7	101 Onm Resistor - One
_	rush Bullon a
Jan-2	Breadboard - one bandang
1	1 Jumper wises
_	Push buttons
577	DIGITAL CARE HOS LAST
i anak i	The same of the sa
	Daniel Children and Jane Man Man
# #	
	104 can use the
7/ Y	input sensing on tone generator. In this experiment the
	In this examination generator
in other	In this experiment the user will tap the sensor & read the input water will tap the
	sensor & read the input values & once a
/	generating a tune form
	generating a tune from the piezo
	element to sold bala
A STATE OF THE PARTY OF THE PAR	
	West and the second of the sec
	who could the sole into
THE DESCRIPTION OF THE PARTY OF	



20	
	Dr. D. Y. PATIL EDUCATIONAL FEDERATION
	int sensor reading = 0; Void setup ()
	§ Setup ()
	g pinmode (byzzer INPUT);
	Void loop()
	£
	Sensor Rending = angles pood (lands
	Sensor Reading = analog Read (knocksensor); pin mode (buzzer, OUTPUT)
	tone (buzzer, 261);
	delay (200);
	no Tone (buzzer);
	delay (200)
	no Tone (byzzer),
	delay (200),
	no Tone (byzzer);
	3
	delay C100)',
- 12 to	3
#	conclusion:
	Execute a program using piezo
Total Control	element & use it to play a tune after
	someone knowks.
	June 1