0ate 27-10-24 Expt. No.: 05 Page No. 16				
Aim: 10 conduct an experiment to determine the sensitivity of the temperature sensor				
Component Required:				
IS.NO Components	Quantity			
1 LM 35 (Temperatura sensur)	1			
2 Connecting with	3			
3 Andino Borrd	1	<u> </u>		
4 Przogream				
5		,		
6				
Theotry:	0 - Augino	device		
LMB5 is a tempercadure measuring device having an analog output voltage Properional				
having an analog output voltage Propertional				
. It Provides output voltage in centigrade				
celsions. It does not > require any external				
Calcharation Porchitary				
I MAE a' , ac tempercuture	output	- which		
li anno Pan aice the Then	MISLOIC	marum		
LMB5 is a Priecession In te gras circuit				
CONTRACTOR OF THE CONTRACTOR O				

Expl. No : 5 Temperature Sensorr. Whose output valtage variales based on the temperature arround it To measure temperature anywhere between 55°C to 150°C. It can be easily interced with any micro controller that has ADC function ore any development platform like Andre no IF the tempercature is o'ce then output voltage will also be or Procedure: i) collect the components necessary to complete the circuit 11) Connect LMB5 (tempercature Sensore) with Arediino bored.

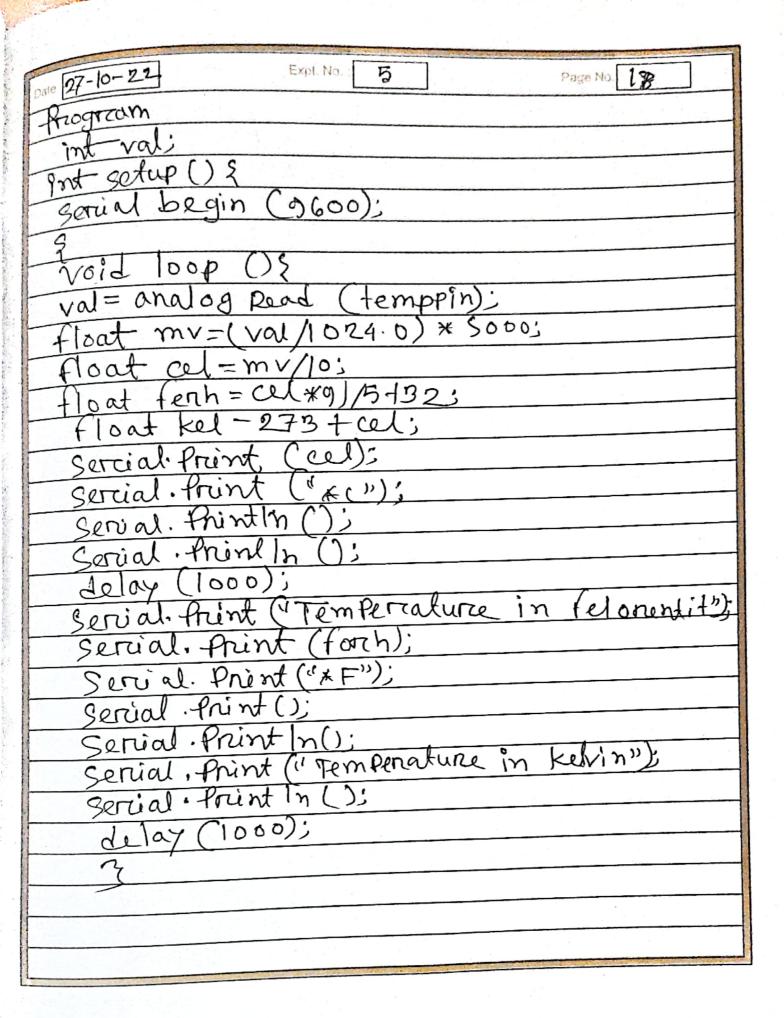
111) These are 3 tereminals in sensore i.e. VCC, Voot and COND iv) Connect vcc with sv GrND with GrND and vout with Ao *x ox Aridwino Boarid.

V) With the Yn relation of temperature

Vout win change and simulate Code.

Vi) Reapert above steps by faking

elitterent measurments.



27-10-22	Expt. No. 65	Dave Mr.	19	
observation:-				
15.NO	Temp in cel (*c)	Fahreheit	Kelvin	
1	30°C	86°F	303.15K	
2	23°C	73.4'F		
3	5 °C	122°F	323.15K	
4	0000	204.8F	367.15K	
Result: Sensitivity of the Tempercature Sensore was determined and output in various Scales were verified.				