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| **Concept Used**::-- |
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|  | For the task of making a LED FLASHER we have used various concepts regarding LEDS , Adruino Chips and Programming. |
|  | We used the concept regarding the N and p Junstion of a LED. The P terminal of an LED must be connected to the higher potential |
|  | and the N terminal of the LED must be connected to the lower potential i.e grounding in this case. |
|  | We used the concept of how a breadboard is designed and the slots individually are internally connected. |
|  | We used the concept of how the wires are connected in a breadboard. |
|  | We used the concept of using while loops in the program while setting up the adruino. |
|  | we used concept regarding different Analog and Digital ports. |
|  | we used concept regarding writing code and syntax of that code on arduino. |
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|  | **Learning and Observations**::-- |
|  | We learnt a lot of new things because of this experiment that are as follows::-- |
|  | We learnt how to use different ports of Adruio chip like the digital and analog port. |
|  | We learnt that the digital port can be used for both input and output but the analog port can only be used for output. |
|  | We learnt how to write a code for working of a LED Flasher. |
|  | We learnt how loops can be used for simplicity of the code. |
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|  | Problem & Troubleshooting: |
|  | There were various problems regarding different topics that we faced while carring this experiment out. |
|  | Firstly,We faced problem while connecting the LED's to the breadboard because we somehow ended up connecting the p terminal to |
|  | grouding and vice-versa. |
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|  | **Precautions**: |
|  | Ther are many precaution to be taken for the LED flasher to correctlty work-outwhich are given as follow::-- |
|  | The first precaution is that one must always connect the LED's correctly keeping the N and P terminals in mind. |
|  | The LED should be connected to the breadboard in accordance to the internal connection of the breadboard slots. |
|  | While compilimg the port selected should be correct beacause only then is the LED flasher going to work. |
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|  | **Learning Outcomes**: |
|  | We learnt a lot of new things because of this experiment. |
|  | We learnt how to use different ports of Adrino chip like the digital and analog port. |
|  | We learnt about the syntax and code writting for adruino |

