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| EXP2\_LED\_CHASER |
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|  | THEORY: |
|  | Take 1 breadboard, 5 LED’S, 1 Arduino board and 11 wires. Install 5 led’S in breadboard in such a way that their ‘n’ terminals are |
|  | connected and ‘p’ terminals should not be connected. By taking 5 wires connect all ‘n’ terminals and from there take another wire and |
|  | connect it to the ground of digital pins in arduino board . Now take another 5 wires and connect to the ‘p’ terminals of led’S such |
|  | that every ‘p’ terminal contain 1 wire. Now take all the 5 wires of ‘p’ terminal and connect any 5 pins of arduino board. By using |
|  | cable connect the arduino board to the computer. |
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|  | LEARNING AND OBSERVATIONS: |
|  | After verifying and uploading the code that you have coded we can observe that the led’S starts glowing in such a way that |
|  | if 1,2 led’S 4 are ON then remaining led’s are OFF and if 2,3 led’S are ON then remaining led’s are OFF and if 3,4 led’S are ON then |
|  | remaining led’s are OFF and if 4,5 led’S 4are ON then remaining led’s are OFF and if 5,1 led’S are ON then remaining led’s are OFF. |
|  | It starts working like this. |
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|  | PROBLEMS AND TROUBLESHOOTING: |
|  | You should take care whether the board in the arduino\uno or not and also selection of port in tools. This is the main problem where we |
|  | get confusion |
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|  | PRECAUTIONS: |
|  | While installing led’s in bread board we should take care whether the ’n’ terminals of led’s connected or not.Here the ‘n’ terminals |
|  | should be connected similarly, we should check whether the ‘p’ terminals are connected or not.In this case ‘p’ terminals should not be |
|  | connected . |
|  | Install the wires properly in both bread board and arduino board. |
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|  | LEARNING OUTCOMES: |
|  | With this experiment we can learn that how led’s are blinking in such a way that 1,2 & 2,3 & 3,4 & 4,5 & 5,1.These are all the positions |
|  | at which led’s blinks.This is the step by step process. |