Aim : Introduction to led interfacing with arduino.

1. Write a detailed description of the Arduino UNO pins, including their types and functionalities.

Write an arduino program to

2. Turn on the on board led Blink the on-board led
3. Change the blinking speed of the on-board led.
4. Blink the on board LED with 25% duty cycle.
5. Define an integer variable having global scope to assign a pin number. Use an integer variable with local scope to assign a pin number.
6. Use logical NOT to change the status of the pin.