Program no: 3 Program Title: LED fading Aim: To demonstrate LED Fading Hardware Required i) Arduino Uno board 2) LED 3) IKA Resistor 4) connecting wires circuit diagram Code: ant bright = 0 void setup() Pin Mod (11, OUTRIT) 40id 100P () for (bright = 0; bright <= 255; bright += 5) { analogumite (11, bright);
dulay (30); for (bright = 255; bright >= 0; bright -= 5){ andogwike (11, bright);
dulay (30); 3

Observation/output:

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The LED toms on and slowly fades of with 30 millisecond intervals.