

LIST OF PROGRAMS

Software Based

Design a program to execute if-else, for, while and switch case for HC12

Design a program to arrange the numbers in ascending and descending order

Design a program to find the maxima and minima among any ten given numbers

Design a program to check the given binary status at any given 8-GPIO pins and displays the corresponding hexadecimal number

Design a program to execute an IRQ function which reads the given binary status at any given 8-GPIO pins and writes a new hexadecimal number on those pins

Hardware Based

Design a program to switch ON/OFF the LEDs attached to the HC12 microcontroller pins at a specific time interval

Design a program to control the LEDs using the buttons provided on the kit

Design a program to display text on the LCD

Design a program to interface temperature sensor to the microcontroller using ADC and display the temperature

Generate a PWM wave of specific time interval

Last date to submit: 26th June

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