

1. What are the different types of PWM outputs in LPC 2148? Explain how match registers are used to generate these PWM outputs.
2. What are the different registers used in LPC 2148 for GPIO programming? What is the importance of prescale register?
3. Explain how PINSEL registers are used to select GPIO functions. Develop the code for LPC 2148 to generate a square waveform at P0.4 - P0.7, with 75% duty cycle.
4. List the features of LPC 2148. Explain timer registers associated with PWM in LPC 2148. Draw a sample edge controlled and double edge controlled PWM waveform
5. Describe the addressing modes used in ARM processor