

IMPLEMENTATION ASSIGNMENT ON SCHEDULING ALGORITHMS 11/10/2022

Review on 18/10/2022

1. Implement a RTOS code to schedule 3 tasks in round robin using priorities where
Task1 – reads a character from uart0
Task 2 - writes a character to uart1
Task3- blink leds
2. Implement a RTOS code to schedule 3 tasks in round robin using priorities where
Task1 – reads a character from uart1
Task 2 - writes a character to uart0
Task3-beep buzzer
3. Implement a RTOS code to schedule 3 tasks in round robin where
Task1 – displays 00-99 to seven segment
Task 2 – beep buzzer
Task3- turn on dc motor
4. Implement a RTOS code to schedule 3 tasks in round robin where
Task1 – reads a key from keypad
Task 2 - writes a key to uart1
Task3- blink leds
5. Implement a RTOS code to schedule 3 tasks in round robin where
Task1 – reads a key from keypad
Task 2 - writes a key to uart0
Task3- beep buzzer
6. Implement a RTOS code to schedule 3 tasks in round robin where
Task1 – reads a key from keypad
Task 2 - writes a key to uart1
Task3- blink leds
7. Implement a RTOS code to schedule 3 tasks in round robin where
Task1 – reads a key from keypad
Task 2 - writes a key to lcd
Task3- blink leds

8. Implement a RTOS code to schedule 3 tasks in round robin where
 - Task1 – reads a key from keypad
 - Task 2 - writes a key to LCD
 - Task3- beep buzzer

9. Write a RTOS code to implement the following scenario
 - Task 1 reads a string from uart0 , then task 2 beeps a buzzer and finally task 3 displays the string on LCD continuously.

10. Write a RTOS code to implement the following scenario
 - Task 1 reads a string from uart1 , then task 2 blinks the LEDs for 5 times and finally task 3- displays the string on LCD continuously

11. Write a RTOS code to implement the following scenario
 - Task 1 reads a string from uart1 , then task 2 blinks the LEDs for 5 times and finally task 3 displays the string on uart0 continuously.

12. Write a rtos code to implement the following scenario
 - Task 1 reads a string from uart1 , then task 2 blinks the leds for 5 times and finally task 3 displays the string on LCD continuously

13. Implement a RTOS code to schedule 3 tasks in round robin where
 - Task1 turn dc motor
 - Task 2 – display 0-9 on seven segment
 - Task3- beep buzzer

14. Implement a RTOS code to schedule 3 tasks in round robin where
 - Task1 turn dc motor
 - Task 2 – blink led
 - Task3- beep buzzer

15. Implement a RTOS code to schedule 3 tasks in round robin where
 - Task1 display string on uart0
 - Task 2 – display 0-9 on seven segment
 - Task3- beep buzzer

16. Implement a RTOS code to schedule 3 tasks in round robin where
 - Task1 blink led
 - Task 2 – display 0-9 on seven segment
 - Task3- beep buzzer