```c
#include<MKL25Z4.h> //INCLUDING LIBRARY
//====================red B18============================//
//=======init========//
void led_red_init(){
  SIM->SCGC5 |=(1<<10); //TO ACTIVATE PORT B OR ACTIVE PORT B CLOCK
  //SET 8,9,10 = 001 TO GPIO
  PORTB->PCR[18]|=(1<<8); //SETTING 8TH BIT TO 1
  PORTB->PCR[18]&=0xFFFFF9FF; //SETTING 9TH, 10TH BIT TO 0, OTHER UNCHANGED
  PTB->PDDR |= (1<<18); //18TH BIT = 1, TO ACTIVATE 18 PIN
}
//=======ON========//
void led_red_on(){ //!!! on on low
  PTB->PCOR |= (1<<18 ); //CLEAR 18PIN VALUE
}
//=======OFF========//
void led_red_off(){
  PTB->PDOR |= (1<<18); //CLEAR 18PIN VALUE
}
//=======TOGGLE========//
void led_red_toggle(){
  PTB->PTOR |= (1<<18); //CLEAR 18PIN VALUE
}
//============================green B19============================//
//=======init========//
void led_green_init(){
  SIM->SCGC5 |=(1<<10); //TO ACTIVATE PORT B
  PORTB->PCR[19]|=(1<<8); //SETTING 8TH BIT TO 1
  PORTB->PCR[19]&=0xFFFFF9FF; //SETTING 9TH, 10TH BIT TO 0, OTHER UNCHANGED
  PTB->PDDR |= (1<<19); //18TH BIT = 1
}
//=======ON========//
void led_green_on(){
  PTB->PCOR |= (1<<19 ); //CLEAR 18PIN VALUE
}
//=======OFF========//
void led_green_off(){
  PTB->PDOR |= (1<<19); //CLEAR 18PIN VALUE
}
//=======TOGGLE========//
void led_green_toggle(){
  PTB->PTOR |= (1<<19); //CLEAR 18PIN VALUE
}
//============================blue D1============================//
//=======init========//
void led_blue_init(){
  SIM->SCGC5 |=(1<<12); //TO ACTIVATE PORT B
  PORTD->PCR[1]|=(1<<8); //SETTING 8TH BIT TO 1
  PORTD->PCR[1]&=0xFFFFF9FF; //SETTING 9TH, 10TH BIT TO 0, OTHER UNCHANGED
  PTD->PDDR |= (1<<1); //18TH BIT = 1
}
//=======ON========//
void led_blue_on(){
  PTD->PCOR |= (1<<1 ); //CLEAR 18PIN VALUE
}
//=======OFF========//
void led_blue_off(){
  PTD->PDOR |= (1<<1); //CLEAR 18PIN VALUE
}
//=======TOGGLE========//
void led_blue_toggle(){
  PTD->PTOR |= (1<<1); //CLEAR 18PIN VALUE
}

//============================DELAY============================//
void delay(long long int d){
  while(d--);
}
//============================MAIN============================//
int main(void){
  SystemCoreClockUpdate(); //updating clock from PLL

  long long int n;          //NOUMBER OF BLINK
```

```
 73
 74     //INIT ALL LED
 75     led_red_init();
 76     led_green_init();
 77     led_blue_init();
 78
 79     // ========== BLINK RED FOR 100 TIMES ===========//
 80     led_red_on();
 81     n = 1e2;
 82     while(n--){
 83         led_red_toggle();
 84         delay(1e6);
 85     }
 86     led_red_off();
 87
 88     // ========== BLINK RED FOR 100 TIMES ===========//
 89     led_green_on();
 90     n = 1e2;
 91     while(n--){
 92         led_green_toggle();
 93         delay(1e6);
 94     }
 95     led_green_off();
 96
 97     // ========== BLINK RED FOR 100 TIMES ===========//
 98     led_blue_on();
 99     n = 1e2;
100     while(n--){
101         led_blue_toggle();
102         delay(1e6);
103     }
104     led_blue_off();
105
106     // ========== BLINK ALL ONE AFTER OTHER FOR 100 TIMES ===========//
107     n = 1e2;
108     while(n--){
109         led_red_on();
110         delay(1e6);
111         led_red_off();
112         delay(1e6);
113
114         led_green_on();
115         delay(1e6);
116         led_green_off();
117         delay(1e6);
118
119         led_blue_on();
120         delay(1e6);
121         led_blue_off();
122         delay(1e6);
123     }
124
125
126
127 }
```