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\* A Door Sensor is connected to bit 1 of Port B,and an led is connected to

\* bit 6 of port C.Write an AVR C program to monitor the door sensor and,

when it opens, turns on the LED without changing the state of other pins

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#include <avr/io.h>

int main(void)

{

DDRB=DDRB&0b11111101;//fd

DDRC=DDRC|0b01000000;//40

while(1)

{

if(PINB & 0b00000010)//02

PORTC=PORTC|0b01000000;//40

else

PORTC=PORTC&0b10111111;//bf

}

return 0;

}