사물인터넷 13주차 과제

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```
const int speakerPin = 9 ;
char noteNames[] = {'C', 'D', 'E', 'F', 'G'} ;
unsigned int frequencies[] = {262, 294, 330, 349, 392} ;
const byte noteCount = sizeof(noteNames) ;

//공백은 쉼표를 의미한다.
char score[] =
"GEEFDDCDEFGGG GEEFDDCDEFGGG DDDDDEFEEEEEFG GEEFDDCEGGEEE";
const byte scoreLen = sizeof(score) ;

void setup()
{
}

void loop()
{
        for(int i =0 ; i < scoreLen ; i++)
        {
                int duration = 333 ;
                playNote(score[i], duration) ;
        }
        delay(4000);
}

void playNote(char note, int duration)
{
        for(int i =0 ; i < noteCount ; i++)
        {
                If(noteNames[i] == note)
                        tone(speakerPin, frequencies[i], duration);
        }
        delay(duration);
}
```