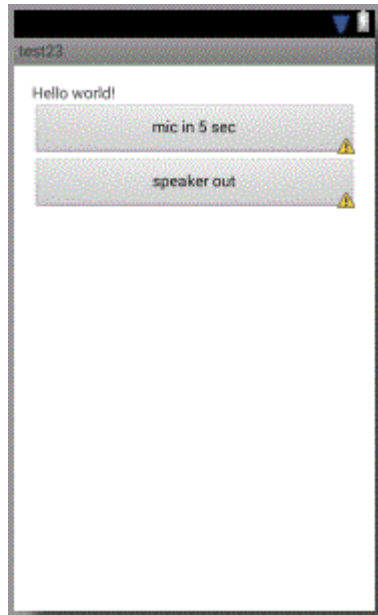


插入 button

- Text 為 mic in 5 sec
- On Click 為 btn_test1

插入 button

- Text 為 speaker out
- On Click 為 btn_test2



需要設權限 AndroidManifest.xml

```
<uses-permission android:name="android.permission.RECORD_AUDIO"/>
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
```

全域變數

```
MediaRecorder recorder1 =new MediaRecorder();
MediaPlayer mplayer1 = new MediaPlayer();
```

MainActivity.java 加入以下 code.按 ctrl+shift+o 自動補 import

```
public MediaRecorder.OnInfoListener oninfo = new OnInfoListener(){
    @Override
    public void onInfo(MediaRecorder mr, int what, int extra) {
        Toast.makeText(getApplicationContext(), "REC top", 10).show();
    }
}
```

```
        recorder1.stop();
    }
};
public MediaPlayer.OnCompletionListener oninfo_play = new OnCompletionListener(){
    @Override
    public void onCompletion(MediaPlayer mp){
        mplayer1.stop();
        Toast.makeText(getApplicationContext(), "play stop", 10).show();
    }
};

public void btn_test1(View v){

    recorder1.reset();
    recorder1.setAudioSource(MediaRecorder.AudioSource.MIC);
    // it seems only 3gp ok with InfoListener
    recorder1.setOutputFormat(MediaRecorder.OutputFormat.THREE_GPP);
    recorder1.setAudioEncoder(MediaRecorder.AudioEncoder.AMR_NB);
    recorder1.setOutputFile("/sdcard/music/aaa.amr");
    recorder1.setMaxDuration(5*1000);
    recorder1.setOnInfoListener(oninfo);
    try {
        recorder1.prepare();
    }catch (IllegalStateException e){
        e.printStackTrace();
    }catch (IOException e1){
        e1.printStackTrace();
    }
    recorder1.start();
    Toast.makeText(this, "rec start", 10).show();
}

public void btn_test2(View v){
    try{
        this.mplayer1.reset();
        this.mplayer1.setDataSource("/sdcard/music/aaa.amr");
        this.mplayer1.prepare();
    }
}
```

```
    this.mplayer1.setOnCompleteListener(oninfo_play);
    this.mplayer1.start();
    Toast.makeText(this, "play start", 10).show();
} catch(IOException e1){
    e1.printStackTrace();
}
}
```