

Task 6

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MainActivity.java package

```
com.example.myapplication; import
```

```
androidx.appcompat.app.AppCompatActivity;
```

```
import android.media.MediaPlayer;
```

```
import android.os.Bundle; import
```

```
android.view.View; import
```

```
android.widget.Button; import
```

```
android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    Button play, forward, rewind, pause, stop, reset;
```

```
    MediaPlayer mediaPlayer ;
```

```
int starttime = 0 ;    int
```

```
stoptime = 0;    int
```

```
forwardtime = 5000 ;    int
```

```
backwardtime = 5000 ;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);        play=
```

```
        findViewById(R.id.play);
```

```
        play.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
                Toast.makeText(MainActivity.this, "Playing Media now",
```

```
                Toast.LENGTH_SHORT).show();
```

```
                mediaPlayer = MediaPlayer.create(MainActivity.this, R.raw.music) ;
```

```
                mediaPlayer.start();
```

```
            }
```

```
        });
```

```
        reset = findViewById(R.id.reset);
```

```
        reset.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
                mediaPlayer.seekTo(starttime);                mediaPlayer.start();
```

```
            }
```

```
        });
```

```
        forward = findViewById(R.id.forward);
```

```
        forward.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```

        int currentpos = mediaPlayer.getCurrentPosition() ;
        if((currentpos+forwardtime) <= (stoptime =

                mediaPlayer.getDuration())){
                mediaPlayer.seekTo(currentpos+forwardtime);
        }
    }
});
rewind = findViewById(R.id.rewind);
rewind.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        int currentpos = mediaPlayer.getCurrentPosition();
        if ((currentpos - backwardtime) >= 0) {
            mediaPlayer.seekTo(currentpos - backwardtime);
        } else {
            mediaPlayer.seekTo(0); // Start from the beginning if going too far back
        }
    }
});
pause = findViewById(R.id.pause);

pause.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if (mediaPlayer.isPlaying()) {
            mediaPlayer.pause();
            // You can add any additional actions you want when the media is paused
        } else {
            // Handle the case where the media is not playing and the user presses pause again
        }
    }
});
stop = findViewById(R.id.stop); // Replace 'stopButton' with the actual button ID in your layout

stop.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if (mediaPlayer.isPlaying()) {
            mediaPlayer.stop();
            mediaPlayer.reset();
            // You may want to release the MediaPlayer instance as well, depending on your requirements
        } else {
            // Handle the case where the media is not playing and the user presses stop
        }
    }
});
}

```

}

Activity main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"    tools:context=".MainActivity"
    android:orientation="vertical"    android:background="#dcbfc7">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="MEDIA PLAYER"
        android:textColor="@color/black"
        android:id="@+id/songname"
        android:layout_margin="30dp"
        android:fontFamily="monospace"
        android:textSize="40dp"    android:gravity="center"
        android:textStyle="bold"
    />
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:text="Play"    android:id="@+id/play"/>

    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:text="pause"    android:id="@+id/pause"/>
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:text="forward"    android:id="@+id/forward"/>
    <Button
        android:layout_width="match_parent"    android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"    android:layout_marginRight="30dp"
        android:text="rewind"    android:id="@+id/rewind"/>
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:text="stop"    android:id="@+id/stop"/>
```

```
<Button  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="30dp"  
    android:layout_marginRight="30dp"  
    android:text="reset"    android:id="@+id/reset"/>
```

</LinearLayout> **Screenshot**

