

Lab No. 8: Services – Started Services

Tasks:

1. Using Toast class, create an application which can demonstrate all callbacks of a *started* service.

Code:

```
public class AndriodServices extends Service {
    private MediaPlayer player;
    @Override
    public int onStartCommand(Intent intent, int flags, int startId) {
        player=MediaPlayer.create(this, Settings.System.DEFAULT_ALARM_ALERT_URI);
        player.setLooping(true);
        player.start();
        Toast.makeText(this, "Service Started", Toast.LENGTH_SHORT).show();
        return START_STICKY;
    }
    @Override
    public void onDestroy() {
        super.onDestroy();
        player.stop();
        Toast.makeText(this, "Service Destroyed", Toast.LENGTH_SHORT).show();
    }
    @Nullable
    @Override
    public IBinder onBind(Intent intent) {
        return null;
    }
}

public class MainActivity extends AppCompatActivity implements View.OnClickListener {
    private Button start,stop,start1,stop1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        start=findViewById(R.id.buttonstart);
        stop=findViewById(R.id.buttonstop);
        start1=findViewById(R.id.buttonstart1);
        stop1=findViewById(R.id.buttonstop1);
        start.setOnClickListener(this);
        stop.setOnClickListener(this);
        start1.setOnClickListener(this);
        stop1.setOnClickListener(this);
    }
    @Override
    public void onClick(View view) {
        if (view ==start)
        {
            startService(new Intent(this,AndriodServices.class));
        }
    }
}
```

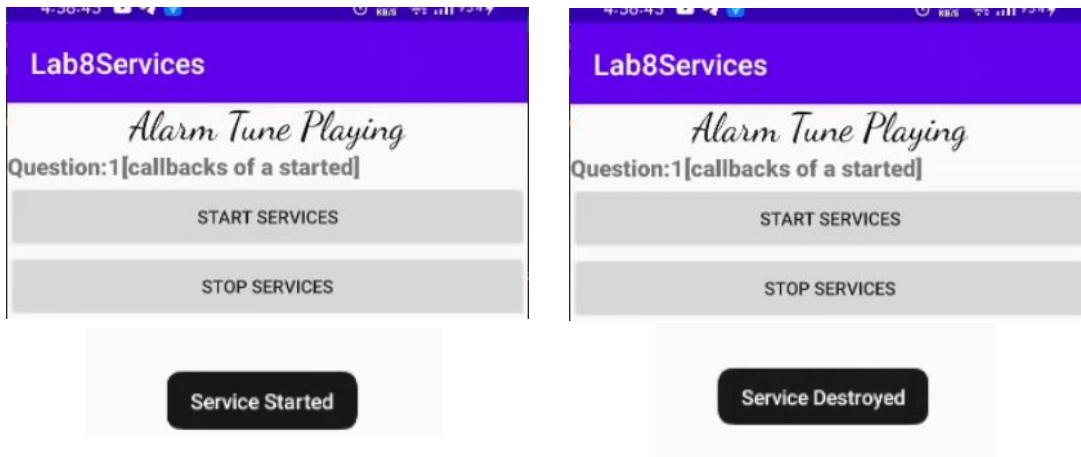
```

    }
    else if (view ==stop)
    {
        stopService(new Intent(this,AndriodServices.class));
    }
    else if (view ==start1)
    {
        startService(new Intent(this,CounterServices.class));
    }
    else if (view ==stop1)
    {
        stopService(new Intent(this,CounterServices.class));
    }
    }
}

<service android:name=".AndriodServices"/>

```

OUTPUT:



2. Using Toast class, create counter application which can demonstrate all callbacks of a *started* service.

CODE:

```

public class CounterServices extends Service {
    private MediaPlayer player;
    private static int count=0;
    @Override
    public int onStartCommand(Intent intent, int flags, int startId) {
        player=MediaPlayer.create(this, Settings.System.DEFAULT_ALARM_ALERT_URI);
        player.setLooping(true);
        player.start();
        count++;
        Toast.makeText(this, "Service Started:"+count,
        Toast.LENGTH_SHORT).show();
        return START_STICKY;
    }
    @Override
    public void onDestroy() {
        super.onDestroy();
        player.stop();
    }
}

```

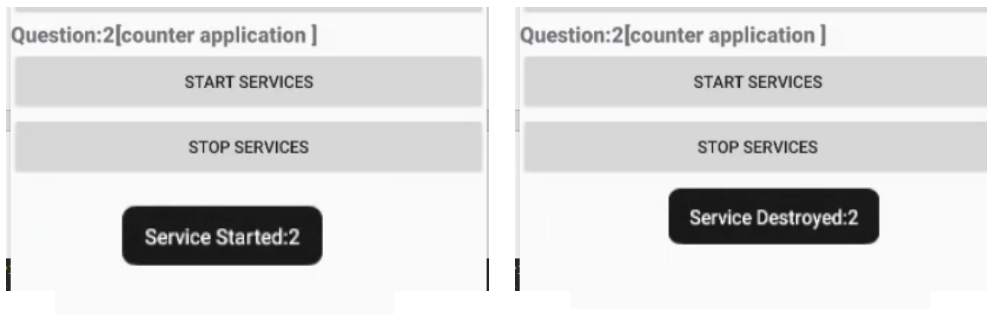
```

        Toast.makeText(this, "Service Destroyed:"+count,
        Toast.LENGTH_SHORT).show();
        count--;
    }
    @Nullable
    @Override
    public IBinder onBind(Intent intent) {
        return null;
    }
}

<service android:name=".CounterServices"/>

```

OUTPUT:



LAYOUT:

