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CLASS Roll No:- 67 University Roll No:- 1821204

CLASS :- BCA - '5B'

SUBJECT:- Mobile Application Development Practical

To develop an android application implicit as well as explicit intent.

Activity - main.xml

<? xml version = "1.0" encoding = "utf-8"?>

< androidx. ConstraintLayout. Widget. ConstraintLayout

xmlns: android = "https://schemas.android.com/apk/res/android"

xmlns: app = "https://schemas.android.com/apk/res-auto"

tools : tools = "https://schemas.android.com/tools"

android : layout_width = "match_parent"

android : layout_height = "match_parent"

tools : content = ". MainActivity" >

< Edit Text

android : id = "@+id/edit1"

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(2)

android: layout_width = "50dp"

android: layout_height = "wrap_content"

android: layout_alignParentTop = "true"

android: layout_centerHorizontal = "true"

android: layout_marginTop = "136dp"

android: eus = "10"

app: layout_constraintEnd_toEndOf = "parent"

app: layout_constraintStart_toStartOf = "parent",

app: layout_constraintTop_toTopOf = "parent" />

<Button

android:id:id = "@+id/button1"

android: layout_width = "wrap_content"

android: layout_height = "wrap_content"

android: layout_below = "@+id/edit1",

android: layout_centerHorizontal = "true",

android: layout_marginTop = "42dp",

android: layout_marginEnd = "132dp",

android: text = "search",

app: layout_constraintEnd_toEndOf = "@+id/edit1",

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Main Activity.java

(3)

```
package com.example.inflout;  
import android.app.Activity;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;
```

public class MainActivity extends Activity {

@Override

```
protected void onCreate(Bundle savedInstanceState)  
{  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);
```

```
    final EditText edit = (EditText) findViewById(R.id.edit);  
    Button button = (Button) findViewById(R.id.button1);
```

Button button = (Button) findViewById(R.id.button1);

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button.setOnClickListener(new View.OnClickListener() { })

public void onClick(View v) { }

 public void onClick(View v) { }

{

 String url = et1.getText().toString();

 Intent intent = new Intent(Intent.ACTION_

 URl, Uri.parse(url));

 startActivity(intent);

}

} ;

}

}

Explicit - file :-

Activity - main.xml

<?xml version="1.0" encoding="utf-8"?>

 xnlus: android = "https:// schema . android . com / tools / res / android "

 xnlus: tools = "https:// schema . android . com / tools "

 android: layout - width = "match parent "

 android: layout - height = "

 match parent")

Yash

8

<Button
 android:id="@+id/Button01"
 android:layout_width="wrap-content"
 android:layout_height="wrap-content"
 android:layout_below="@+id/EditText01"
 android:onClick="onCLick"
 android:text="SWITCH TO SECOND ACTIVITY"
 app:layout_constraintEnd_toEndOf="parent"
 app:layout_constraintStart_toStartOf="parent"/>
 tools:ignore="onClick"/>

<TextView

 android:id="@+id/TextView01"
 android:layout_width="wrap-content"
 android:layout_height="wrap-content"
 android:layout_alignParentTop="true",
 android:layout_marginTop="44dp",
 android:maxLength="60 dip",
 android:text="FIRST ACTIVITY",
 android:textSize="20sp",
 app:layout_constraintEnd_toEndOf="parent",
 app:layout_constraintTop_toTopOf="parent"/>

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Main Activity.java

(6)

```
package com.example.appoint;
```

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

```
import android.app.Activity;
```

```
import android.content.Intent;
```

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

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

```
public class MainActivity extends Activity {
```

```
    Button button1;
```

```
    @Override
```

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

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

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

```
    button1 = (Button) findViewById(R.id.button1);
```

```
    button1.setOnClickListener(new OnClickListener() {
```

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

```
            Intent i = new
```

```
Intent("com.example.appoint.ActivityTwo.class");
```

```
            startActivity(i);
```

```
        }
```

```
    };
```

```
}
```

Vad

Activity - two .xml

(8)

Android. Support. ConstraintLayout

Xamarin : android : "https://schemas.android.com/apk/res/android"

Xamarin : app = "https://schemas.android.com/apk/res-auto"

Xamarin : tools = "https://schemas.android.com/tools"

android : layout_width = "match_parent"

< Button

android : id = "@+id/Button01"

android : layout_width = "wrap_content"

android : layout_width = "wrap_content"

android : layout_below = "@+id/TabView01"

android : layout_marginBottom = "22dp"

android : onClick = "onClick"

android : text = "SWITCH TO FIRST ACTIVITY"

app : layout_constraintTop_toBottom = "parent"

app : layout_constraintHorizontal_bias = "0.5333333333333333"

tools : ignore = "android"

< TextView

android : id = "@+id/TabView01"

android : layout_width = "wrap_content"

android : layout_height = "wrap_content"

android : layout_margin = "71dp"

Activity Two.java

⑤

package com.example.explicit;
import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;

public class ActivityTwo extends Activity {

Button button1;

@Override

public void onCreate(Bundle bundle) {

super.onCreate(bundle);

setContentView(R.layout.activity_two);

button1 = (Button) findViewById(R.id.Button01);

button1.setOnClickListener(new OnClickListener() {

public void onClick(View view) {

Intent intent = new

Intent(getApplicationContext(), MainActivity.class);
startActivity(intent);

}

} ;

}

}

Yash

11:39

FIRST ACTIVITY

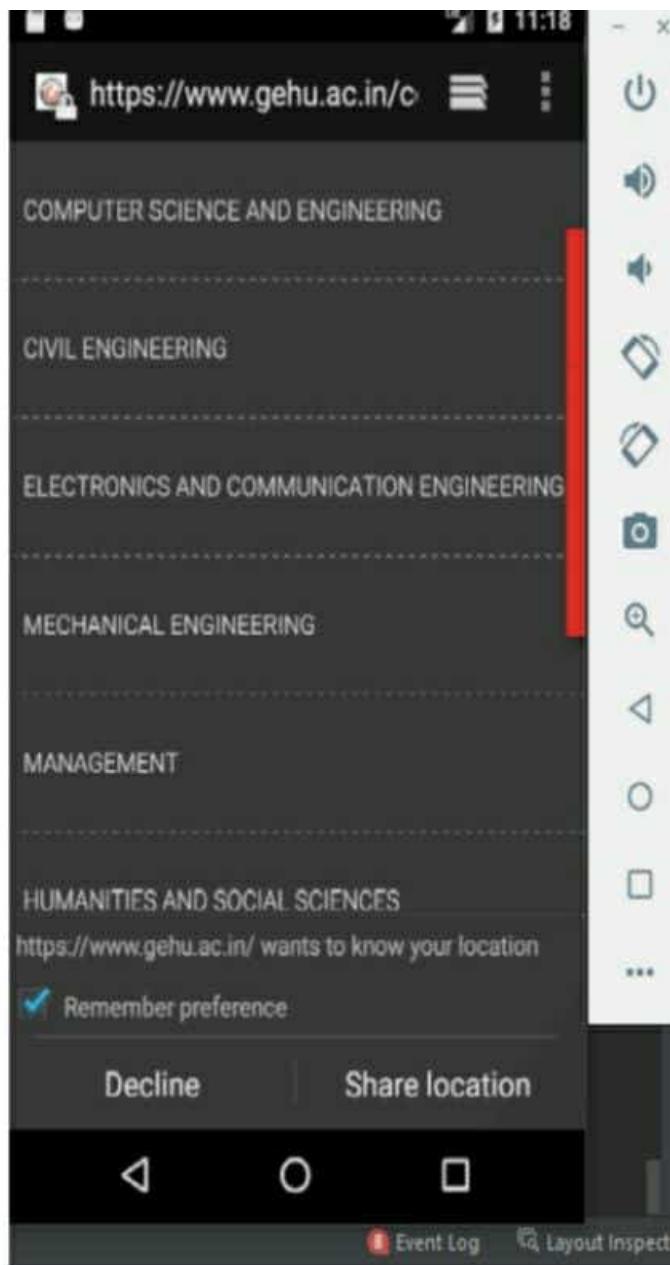
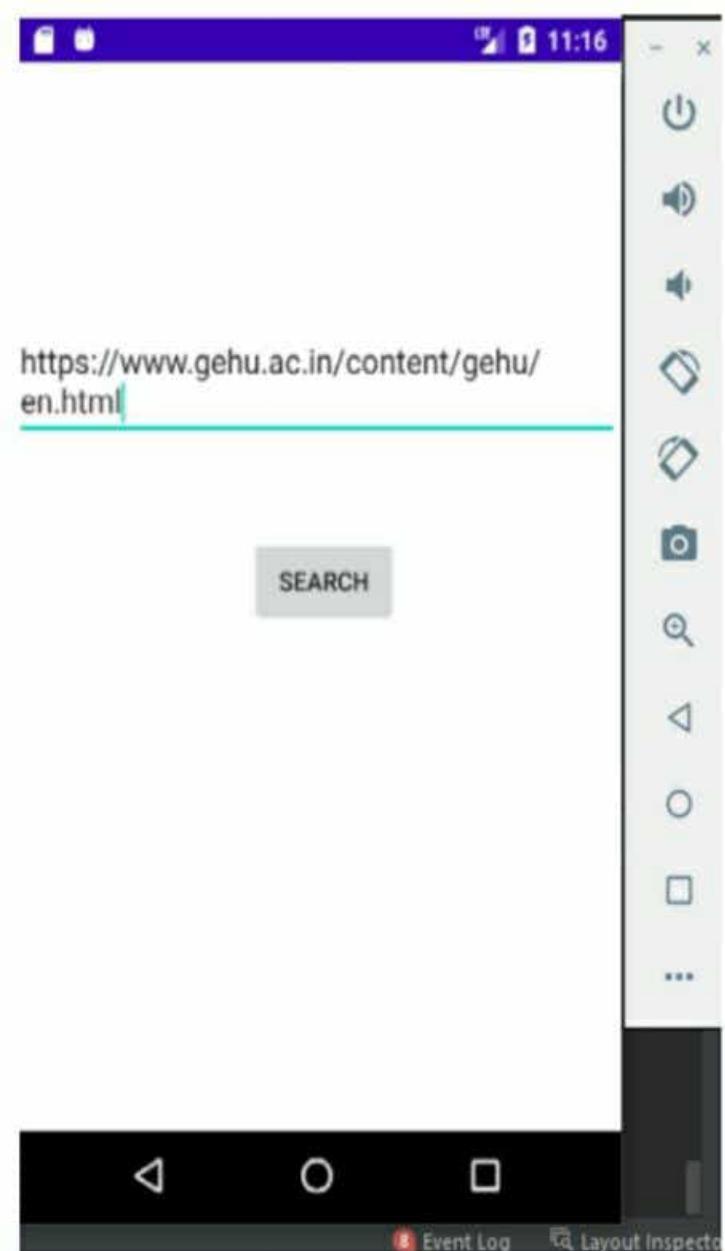
SWITCH TO SECOND ACTIVITY



...



ut Inspector



①
Q2 Develop an android application to
understand life cycle using log cat.

Ans <?xml version = "1.0" encoding = "utf-8"?>
Android. support. constraint. ConstraintLayout
Xulius: android: > "https://schemas.android.com /app/
tools/layout"

Xulius: app: > "https://schemas.android.com /app/
tools-attrs"

Xulius: tools: > "https://schemas.android.com /tools"
android: layout_width: "match-parent"

android: layout_height: "match-parent"

tools: parent: "MainActivity >

2 Text View

android: layout_width: "wrap_content"

android: layout_height: "wrap_content"

android: text: "Hello world!"

app: layout_constraintBottom_toBottom: "parent"

app: layout_constraintLeft_toLeft: "parent"

app: layout_constraintRight_toRight: "parent"

app: layout_constraintTop_toTop: "parent"

app: layout_constraintVertical_bias: "0.481" >

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package com.example.activity lifecycle; (2)

import android.support.v4.app.FragmentActivity;

import android.os.Bundle;

import android.util.Log;

public class MainActivity extends AppCompatActivity {

private static final String TAG = "MyActivity.class";
get simple Name();

Methods used onCreate(Bundle savedInstanceState);

super.onCreate(savedInstanceState); set Content View
R.layout.activity_main;

log("Creates", "In method onCreate");

4
@Override

protected void onStart() {

super.onStart();

log("Creates" "In method onStart");

5

② **Override**

protected void onResume() {

super.onResume();

log("Creates", "In method onResume");

protected void onPause() {

super.onPause();

log("Creates", "In method onPause");

protected void onTick();
super.onTick();
Log.i("Shay", "The method onTick()");

2
② Service
protected void onStart();
super.onStart();
Log.i("Shay", "The method onStart()");

3

Vash

LOGCAT :

2021-09-11 10:43:24.349 2526-2526/? I/art: Late-enabling -Xcheck:jni

2021-09-11 10:43:24.384 2526-2526/? W/System: ClassLoader referenced unknown path: /data/app/com.example.activitylifecycle-1/lib/x86

2021-09-11 10:43:24.399 2526-2526/? W/art: Before Android 4.1, method android.graphics.PorterDuffColorFilter android.support.graphics.drawable.VectorDrawableCompat.updateTintFilter(android.graphics.PorterDuffColorFilter, android.content.res.ColorStateList, android.graphics.PorterDuff\$Mode) would have incorrectly overridden the package-private method in android.graphics.drawable.Drawable

2021-09-11 10:43:24.413 2526-2526/? I/art: Rejecting re-init on previously-failed class
`java.lang.Class<android.support.v4.view.ViewCompat$OnUnhandledKeyEventListenerWrapper>`

2021-09-11 10:43:24.414 2526-2526/com.example.activitylifecycle I/art: Rejecting re-init on previously-failed class
`java.lang.Class<android.support.v4.view.ViewCompat$OnUnhandledKeyEventListenerWrapper>`

2021-09-11 10:43:24.485 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnCreate`

2021-09-11 10:43:24.486 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnStart`

2021-09-11 10:43:24.486 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnResume`

2021-09-11 10:43:24.489 2526-2540/com.example.activitylifecycle D/OpenGLRenderer: Use EGL_SWAP_BEHAVIOR_PRESERVED: true

2021-09-11 10:43:24.669 2526-2540/com.example.activitylifecycle I/OpenGLRenderer: Initialized EGL, version 1.4

2021-09-11 10:43:24.349 2526-2526/? I/art: Late-enabling -Xcheck:jni

2021-09-11 10:43:24.384 2526-2526/? W/System: ClassLoader referenced unknown path: /data/app/com.example.activitylifecycle-1/lib/x86

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2021-09-11 10:43:24.414 2526-2526/com.example.activitylifecycle I/art: Rejecting re-init on previously-failed class
java.lang.Class<android.support.v4.view.ViewCompat\$OnUnhandledKeyEventListenerWrapper>

2021-09-11 10:43:24.485 2526-2526/com.example.activitylifecycle I/MMainActivity: In method OnCreate

2021-09-11 10:43:24.486 2526-2526/com.example.activitylifecycle I/MMainActivity: In method OnStart

2021-09-11 10:43:24.486 2526-2526/com.example.activitylifecycle I/MMainActivity: In method OnResume

2021-09-11 10:43:24.489 2526-2540/com.example.activitylifecycle D/OpenGLRenderer: Use EGL_SWAP_BEHAVIOR_PRESERVED: true

2021-09-11 10:43:24.669 2526-2540/com.example.activitylifecycle I/OpenGLRenderer: Initialized EGL, version 1.4

2021-09-11 10:43:24.670 2526-2540/com.example.activitylifecycle W/OpenGLRenderer: Failed to choose config with EGL_SWAP_BEHAVIOR_PRESERVED, retrying without...

2021-09-11 10:43:24.689 2526-2540/com.example.activitylifecycle D/EGL_emulation: eglCreateContext: 0xab2afe80: maj 3 min 0 rcv 3

2021-09-11 10:43:24.717 2526-2540/com.example.activitylifecycle D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:43:24.718 2526-2540/com.example.activitylifecycle E/eglCodecCommon: glUtilsParamSize: unknow param 0x00008cdf

2021-09-11 10:43:24.718 2526-2540/com.example.activitylifecycle E/eglCodecCommon: glUtilsParamSize: unknow param 0x00008824

2021-09-11 10:43:24.744 2526-2540/com.example.activitylifecycle D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

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2021-09-11 10:43:24.399 2526-2526/? W/art: Before Android 4.1, method android.graphics.PorterDuffColorFilter android.support.graphics.drawable.VectorDrawableCompat.updateTintFilter/android

java.lang.Class<android.support.v4.view.ViewCompat\$OnUnhandledKeyEventListenerWrapper>

2021-09-11 10:43:24.414 2526-2526/com.example.activitylifecycle I/art: Rejecting re-init on previously-failed class

java.lang.Class<android.support.v4.view.ViewCompat\$OnUnhandledKeyEventListenerWrapper>

2021-09-11 10:43:24.485 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnCreate`

2021-09-11 10:43:24.486 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnStart`

2021-09-11 10:43:24.486 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnResume`

2021-09-11 10:43:24.489 2526-2540/com.example.activitylifecycle D/OpenGLRenderer: Use EGL_SWAP_BEHAVIOR_PRESERVED: true

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2021-09-11 10:43:24.718 2526-2540/com.example.activitylifecycle E/eglCodecCommon: glUtilsParamSize: unknow param 0x00008824

2021-09-11 10:43:24.744 2526-2540/com.example.activitylifecycle D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:22.384 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnPause`

2021-09-11 10:44:22.793 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnStop`

2021-09-11 10:44:23.284 2526-2540/com.example.activitylifecycle D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:23.319 2526-2540/com.example.activitylifecycle E/Surface: getSlotFromBufferLocked: unknown buffer: 0xb407cc60

2021-09-11 10:44:34.988 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnStart`

2021-09-11 10:44:34.988 2526-2526/com.example.activitylifecycle I/MainActivity: In method `OnResume`

2021-09-11 10:44:35.047 2526-2540/com.example.activitylifecycle

2021-09-11 10:43:24.744 2526-2540/com.example.activitylifecycle
D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:22.384 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnPause

2021-09-11 10:44:22.793 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnStop

2021-09-11 10:44:23.284 2526-2540/com.example.activitylifecycle
D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:23.319 2526-2540/com.example.activitylifecycle E/Surface:
getSlotFromBufferLocked: unknown buffer: 0xb407cc60

2021-09-11 10:44:34.988 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnStart

2021-09-11 10:44:34.988 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnResume

2021-09-11 10:44:35.047 2526-2540/com.example.activitylifecycle
D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:40.101 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnPause

2021-09-11 10:44:40.484 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnStop

2021-09-11 10:44:40.560 2526-2540/com.example.activitylifecycle
D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:40.574 2526-2540/com.example.activitylifecycle E/Surface:
getSlotFromBufferLocked: unknown buffer: 0xb407c1c0

2021-09-11 10:44:47.177 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnStart

2021-09-11 10:44:47.177 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnResume

2021-09-11 10:44:47.235 2526-2540/com.example.activitylifecycle
D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:49.317 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnPause

2021-09-11 10:44:54.350 2526-2540/com.example.activitylifecycle
D/EGL_emulation: eglGetCurrent: 0xab2afe80: ver 3 0 (tinfo 0xacfb3c0)

2021-09-11 10:44:54.353 2526-2540/com.example.activitylifecycle E/Surface:
getSlotFromBufferLocked: unknown buffer: 0xb407cc60

2021-09-11 10:44:54.430 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnStop

2021-09-11 10:44:54.430 2526-2526/com.example.activitylifecycle I/MainActivity
In method OnDestroy