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Roll → 192112r, subject Mobile application
development

Practical   Priyansh

Q) Develop and android application
to demonstrate activity life cycle
using log cat

Code (XML):

```
<? xml version = "1.0" encoding = "utf-8"?>
<androidx. Constraintlayout . widget . Constraint
Layout xmlns:: android = " http://schemas
. android . com /apk /res/ android ">
xmlns: app = " http://schemas . android.com/
    apk/ res-auto".
xmlns: tools = " http://schemas .android.
    com/ tools"
android: layout width = " match parent"
android : layout_height = " match parent"
android : background = " @ android : color /holo
                             holo blue light"
tools: context = " main Activity">
```

.....

```
<Text view
android:id = "@+id/ tv first Activity"
android: layout_width = " wrap_Content"
android: layout_height = "wrap_Content"
android: font family = "@ font /ntr"
android: text = "first Activity"
android: text color = "@ android: Color /
                        holo_orange_dark"
android: text size = " 60 sp"
app: layout_Constraint Bottom_to Bottom of
        = "parent"
app: layout_Constraint left_to left of = "parent"om/
app: layout_Constraint Right_to Right of    id.
                        = "parent"
app: layout_Constraint Top_to Top of = "parent"> t"
                                                    rent"
< /androidx. Constrainlayout. widget. Constraint Hooo
                            Layout>                ight"
```

```java
Code (Java)

package Com. exampl. activity - life circle;
Import androidx. appcompat. app. App Compat
Activity;
Import android.Content.Intent;
Import android.os. Bundle;
import android.view. View;
Import android.widget. TextView;
Import android widget. toast;
public class Main Activity extends App Compat
                                        Activity {

@ override
protected void on create (Bundle Saved Instance
                                        State) {
super. on create (Saved Instance state);
set Content View (R. layout.activity - main);
Toast. make Text (get Application Context ()
"first on create", Toast. Length - short). show;
Text View text View = find View By Id (R. id.
                                tv first Activity);
text View. set on click Listener (new. View. on
                                click Listener) {
```

```
@override
public void on click (view v){

Intent intent= new Intent( Main. Activity.
                                  this, second
                                  Activity. Class);

    Start Activety (intent);.

    }
}};

}

@ override
protected void on start(){

super . on start ();

Toast. make Text ( get Application Context(),
   " first on start", Toast. Length-Short. show();

}
@ override
protected void on Resume (){

super. on Resume ();

Toast. make Text (get Application Context ();
   "first on Resume", Toast. Length -short ). show
                                              ();
```

```
@ override
protected void on Pause () {
    super. on Pause ();
    {
        Toast. make Text ( get Application Context
                (); " first on Pause ", Toast
            Length_ Short ). show ();
    }
}

@ override
protected void on Stop (). {

    super. on Stop ();

    Toast .make .Text ( get Application
    Context (, " first on stop ", Toast Length.
    _ Short ). show ();
                        Priyanth
```