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| A picture containing drawing, stop, room  Description automatically generated | Mobile Programming  Practical #7 | | |
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| **Name** |  | **Roll Number** |  |
| **Subject/Course:** | Mobile Programming | | |
| **Topic** | Device Orientation Plugin, Using Prompt Function | | |
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| Device Orientation Plugin | | | |
| Xml  *<?*xml version="1.0" encoding="utf-8"*?>* *<*androidx.constraintlayout.widget.ConstraintLayout 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"  tools:context=".MainActivity">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Device Orientation"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />  </androidx.constraintlayout.widget.ConstraintLayout>  Kt  package com.example.pracd  import android.content.res.Configuration import android.graphics.drawable.GradientDrawable import androidx.appcompat.app.AppCompatActivity import android.os.Bundle import android.widget.Toast  class MainActivity : AppCompatActivity() {  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  setContentView(R.layout.*activity\_main*)  }   override fun onConfigurationChanged(newConfig: Configuration) {  super.onConfigurationChanged(newConfig)  if(newConfig.orientation==Configuration.*ORIENTATION\_PORTRAIT*)  {  Toast.makeText(this@MainActivity,"Potrait Mode",Toast.*LENGTH\_LONG*).show()  }  else if(newConfig.orientation==Configuration.*ORIENTATION\_LANDSCAPE*)  {  Toast.makeText(this@MainActivity,"Landscape Mode",Toast.*LENGTH\_LONG*).show()  }  }  }  Manifest  *<?*xml version="1.0" encoding="utf-8"*?>* *<*manifest xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:tools="http://schemas.android.com/tools"  package="com.example.pracd">   <application  android:allowBackup="true"  android:dataExtractionRules="@xml/data\_extraction\_rules"  android:fullBackupContent="@xml/backup\_rules"  android:icon="@mipmap/ic\_launcher"  android:label="@string/app\_name"  android:roundIcon="@mipmap/ic\_launcher\_round"  android:supportsRtl="true"  android:theme="@style/Theme.PracD"  tools:targetApi="31">  <activity  android:name=".MainActivity"  android:exported="true"  android:configChanges="orientation|screenSize">---------added  <intent-filter>  <action android:name="android.intent.action.MAIN" />   <category android:name="android.intent.category.LAUNCHER" />  </intent-filter>  </activity>  </application>  </manifest>  Output  Selected photo  Selected photo | | | |
| B) Use of Prompt function  Xml  *<?*xml version="1.0" encoding="utf-8"*?>* *<*androidx.constraintlayout.widget.ConstraintLayout 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"  tools:context=".MainActivity">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Hello World!"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <Button  android:id="@+id/button"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Button"  tools:layout\_editor\_absoluteX="158dp"  tools:layout\_editor\_absoluteY="439dp" />  </androidx.constraintlayout.widget.ConstraintLayout>  Kt  package com.example.prac6  import androidx.appcompat.app.AppCompatActivity import android.os.Bundle import android.text.InputType import android.widget.Button import android.widget.EditText import android.widget.Toast import androidx.appcompat.app.AlertDialog  class MainActivity : AppCompatActivity() {  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  setContentView(R.layout.*activity\_main*)  val b1=findViewById<Button>(R.id.*button*) as Button  b1.setOnClickListener**{** showprompt()  **}** }  fun showprompt() {  val b: AlertDialog.Builder = AlertDialog.Builder(this)  b.setTitle("Title")  val input = EditText(this)  input.setHint("Enter text")  input.*inputType* = InputType.*TYPE\_CLASS\_TEXT* b.setView(input)  b.setPositiveButton("ok") **{** \_, \_ **->** val m = input.*text*.toString()  Toast.makeText(this@MainActivity, "$m", Toast.*LENGTH\_LONG*).show()  **}** b.setNegativeButton("cancel") **{** \_, \_ **->** Toast.makeText(this@MainActivity, "Thank You!", Toast.*LENGTH\_LONG*).show()   **}** b.setCancelable(true)  b.show()  } }  Output  Selected photo  Selected photo  Selected photo  Selected photo | | | |
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