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| A picture containing drawing, stop, room  Description automatically generated | Advanced Mobile Programming  Practical #7 | | |
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| **Name** | **Aniket Gupta** | **Roll Number** | **21302B0053** |
| **Subject/Course:** | **Advanced Mobile Programming** | | |
| **Topic** | **Intent** | | |
|  | | | |
| **Intent** | | | |
| **7. a) To create a program to implement intent (Implicit and Explicit).** | | | |
| **MainActivity.kt**  **package** com.example.amp\_7\_1  **import** android.support.v7.app.AppCompatActivity **import** android.os.Bundle **import** android.text.Editable **import** android.text.TextWatcher **import** android.widget.Button **import** android.widget.EditText **import** android.widget.TextView **import** android.widget.Toast  **class** MainActivity : AppCompatActivity() {  **override fun** onCreate(savedInstanceState: Bundle?) {  **super**.onCreate(savedInstanceState)  setContentView(R.layout.*activity\_main*)  // Finding the button with id 'button' and setting click listener  **val** click = findViewById<Button>(R.id.*button*);  // Showing a toast message when the button is clicked  click.setOnClickListener **{** Toast.makeText(**this**,**"Button Click"**, Toast.*LENGTH\_SHORT*).show();  **}**  // Finding TextView and EditText views by their respective ids  **val** disp = findViewById<TextView>(R.id.*textView2*)  **val** fname = findViewById<EditText>(R.id.*editText*)  // Adding TextWatcher to the EditText  fname.addTextChangedListener(**object** : TextWatcher {  **override fun** afterTextChanged(p0: Editable?) {  // Not used  }  **override fun** beforeTextChanged(p0: CharSequence?, p1: Int, p2: Int, p3: Int) {  // Not used  }  **override fun** onTextChanged(p0: CharSequence?, p1: Int, p2: Int, p3: Int) {  // Setting the text of the TextView based on the input in EditText  disp.setText(**"My Name is : "**+p0)  }  })  } }  **activity\_main.xml**  *<?***xml version="1.0" encoding="utf-8"***?>* <**android.support.constraint.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"**>   <**LinearLayout**  **android:layout\_width="match\_parent"**  **android:layout\_height="match\_parent"**  **android:orientation="vertical"**>  <**TextView**  **android:id="@+id/textView"**  **android:layout\_width="wrap\_content"**  **android:layout\_height="wrap\_content"**  **android:text="Enter your name"**  **tools:layout\_editor\_absoluteX="50dp"**  **tools:layout\_editor\_absoluteY="138dp"** />  <**TextView**  **android:id="@+id/textView2"**  **android:layout\_width="wrap\_content"**  **android:layout\_height="wrap\_content"**  **android:text="TextView"**  **tools:layout\_editor\_absoluteX="50dp"**  **tools:layout\_editor\_absoluteY="49dp"** />  <**EditText**  **android:id="@+id/editText"**  **android:layout\_width="wrap\_content"**  **android:layout\_height="wrap\_content"**  **android:ems="10"**  **android:inputType="textPersonName"**  **android:text="Name"**  **app:layout\_constraintEnd\_toEndOf="parent"**  **app:layout\_constraintStart\_toStartOf="parent"**  **tools:layout\_editor\_absoluteY="274dp"** />  <**Button**  **android:id="@+id/button"**  **android:layout\_width="wrap\_content"**  **android:layout\_height="wrap\_content"**  **android:text="click Button"**  **app:layout\_constraintEnd\_toEndOf="parent"**  **app:layout\_constraintStart\_toStartOf="parent"**  **tools:layout\_editor\_absoluteY="396dp"** />  </**LinearLayout**> </**android.support.constraint.ConstraintLayout**>  **OUTPUT:** | | | |
| |  | | --- | | **7. b)** | | **Activity\_main,xml:**  *<?***xml version="1.0" encoding="utf-8"***?>*  <**android.support.constraint.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"**>    <**LinearLayout**   **android:layout\_width="match\_parent"**   **android:layout\_height="match\_parent"**   **android:orientation="vertical"**>    <**Button**   **android:id="@+id/btnintent1"**   **android:layout\_width="match\_parent"**   **android:layout\_height="wrap\_content"**   **android:textStyle="bold"**   **android:text="CLICK FOR INTENT"** />    <**Button**   **android:id="@+id/btnintent2"**   **android:layout\_width="match\_parent"**   **android:layout\_height="wrap\_content"**   **android:textStyle="bold"**   **android:text="CLICK FOR BROWSER"** />    <**EditText**   **android:layout\_width="match\_parent"**   **android:layout\_height="wrap\_content"**   **android:id="@+id/editShare"**   **android:text="Type message to share"**   **android:textSize="22dp"**   **android:layout\_marginTop="10dp"**/>    <**Button**   **android:id="@+id/btnintent3"**   **android:layout\_width="match\_parent"**   **android:layout\_height="wrap\_content"**   **android:textStyle="bold"**   **android:text="CLICK TO SHARE DATA"** />  </**LinearLayout**> </**android.support.constraint.ConstraintLayout**>    **MainActivity.xml:**  **package** com.example.myapplication   **import** android.support.v7.app.AppCompatActivity  **import** android.os.Bundle  **import** android.net.Uri  **import** android.content.Intent  **import** android.widget.EditText  **import** android.widget.Button   **class** MainActivity : AppCompatActivity() {  **override fun** onCreate(savedInstanceState: Bundle?) {  **super**.onCreate(savedInstanceState)  setContentView(R.layout.*activity\_main*)  **val** btnintent1 = findViewById<Button>(R.id.*btnintent1*)  **val** btnintent2 = findViewById<Button>(R.id.*btnintent2*)  **val** btnintent3 = findViewById<Button>(R.id.*btnintent3*)  **val** editshare = findViewById<EditText>(R.id.*editShare*)    btnintent3.setOnClickListener **{**   **val** msg : String = editshare.*text*.toString();  **val** intent3 = Intent()  intent3.*action* = Intent.*ACTION\_SEND*  intent3.putExtra(Intent.*EXTRA\_TEXT*, msg)  intent3.*type* = **"text/plain"**  startActivity(Intent.createChooser(intent3,**"Share Data"**))  **}**   btnintent2.setOnClickListener **{**   **val** intent2 = Intent()  intent2.*action* = Intent.*ACTION\_VIEW*  intent2.*data* = Uri.parse(**"https://www.rediff.com/"**)  startActivity(intent2)  **}**   btnintent1.setOnClickListener **{**   **val** intent1 = Intent(**this**,MainActivity2::**class**.*java*)  startActivity(intent1)  **}**  }  }    **Activity\_main2.xml:**  *<?***xml version="1.0" encoding="utf-8"***?>*  <**android.support.constraint.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=".MainActivity2"**>    <**RelativeLayout**   **android:layout\_width="match\_parent"**   **android:layout\_height="match\_parent"**   **android:orientation="horizontal"**>    <**EditText**   **android:layout\_width="match\_parent"**   **android:layout\_height="wrap\_content"**   **android:text="This is Activity 2"**   **android:textAlignment="center"**   **android:layout\_alignParentBottom="true"**   **android:layout\_alignParentTop="true"**   **android:textSize="30dp"** />  </**RelativeLayout**>  </**android.support.constraint.ConstraintLayout**>    **OUTPUT:** | | | | |