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| A picture containing drawing, stop, room  Description automatically generated | Advanced Mobile Programming  Practical #5 | | |
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| **Name** | **Aniket Gupta** | **Roll Number** | **21302B0053** |
| **Subject/Course:** | **Advanced Mobile Programming** | | |
| **Topic** | **Programming UI Elements** | | |
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| **Application Bar** | | | |
| 7.a) Design a mobile application to demonstrate working of App Bar  **Menu\_1.xml:**  <?xml version="1.0" encoding="utf-8"?> <menu xmlns:app="http://schemas.android.com/apk/res-auto"  xmlns:tools="http://schemas.android.com/tools"  xmlns:android="http://schemas.android.com/apk/res/android">   <item android:title="copy"  android:id="@+id/copy"  android:orderInCategory="100"  app:showAsAction="always"  android:icon="@drawable/copy"  />  <item android:title="print"  android:id="@+id/print"  android:orderInCategory="100"  app:showAsAction="always"  android:icon="@drawable/print"  />  <item android:title="seatch"  android:id="@+id/serach"  android:orderInCategory="100"  app:showAsAction="always"  android:icon="@drawable/search"  /> </menu>  **MainActivity.kt:**  package com.example.ampp5  import android.support.v7.app.AppCompatActivity import android.os.Bundle import android.view.Menu import android.view.MenuItem import android.widget.Toast  class MainActivity : AppCompatActivity() {  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  setContentView(R.layout.activity\_main)   val actionBar= supportActionBar  actionBar!!.title="amp p5"  actionBar.subtitle="amp p5 a"  actionBar.setIcon(R.drawable.kali)  actionBar.setDisplayUseLogoEnabled(true)  actionBar.setDisplayShowHomeEnabled(true)  }   override fun onCreateOptionsMenu(menu: Menu?): Boolean {  menuInflater.inflate(R.menu.second, menu)  return super.onCreateOptionsMenu(menu)  }   override fun onOptionsItemSelected(item: MenuItem): Boolean {  when (item.itemId) {  R.id.copy -> Toast.makeText(this, "copy clicked", Toast.LENGTH\_LONG).show()  R.id.print -> Toast.makeText(this, "print clicked", Toast.LENGTH\_LONG).show()  R.id.serach -> Toast.makeText(this, "search clicked", Toast.LENGTH\_LONG).show()  }  return super.onOptionsItemSelected(item)  } }  **OUTPUT:** | | | |
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| **Login Form** |
| 7.b) Design a mobile application to create a login form  **MainActivity.kt:**  package com.example.p5a  import android.support.v7.app.AppCompatActivity import android.os.Bundle import android.widget.Button import android.widget.EditText import android.widget.Toast  class MainActivity : AppCompatActivity() {  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  setContentView(R.layout.activity\_main)   setContentView(R.layout.activity\_main)  val submitButton = findViewById(R.id.s1) as Button  val resetButton = findViewById<Button>(R.id.r1)  val s\_name = findViewById<EditText>(R.id.et1)  val s\_div = findViewById<EditText>(R.id.et2)  val s\_roll = findViewById<EditText>(R.id.et3)  val s\_class = findViewById<EditText>(R.id.et4)   submitButton.setOnClickListener{  Toast.makeText(this,"Your Record has been SUBMITTED", Toast.LENGTH\_LONG).show()  }  resetButton.setOnClickListener {  Toast.makeText(this, "Your Record has been RESET", Toast.LENGTH\_LONG).show()  s\_name.setText("")  s\_div.setText("")  s\_roll.setText("")  s\_class.setText("")  }  } }  **activity\_main.xml:**  <LinearLayout  android:layout\_width="430dp"  android:layout\_height="735dp"  android:orientation="vertical"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="60dp"  android:orientation="horizontal">   <TextView  android:id="@+id/tv1"  android:layout\_width="wrap\_content"  android:layout\_height="48dp"  android:layout\_weight="1"  android:text="Enter Name: " />   <EditText  android:id="@+id/et1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:ems="10"  android:inputType="textPersonName"  android:text="Enter Full Name " />  </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="61dp"  android:orientation="horizontal">   <TextView  android:id="@+id/tv2"  android:layout\_width="wrap\_content"  android:layout\_height="49dp"  android:layout\_weight="1"  android:text="enter Div: " />   <EditText  android:id="@+id/et2"  android:layout\_width="185dp"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:ems="10"  android:inputType="textPersonName"  android:text="A/B/C/D" />  </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="57dp"  android:orientation="horizontal">   <TextView  android:id="@+id/tv3"  android:layout\_width="98dp"  android:layout\_height="57dp"  android:layout\_weight="1"  android:text="Enter Roll No: " />   <EditText  android:id="@+id/et3"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:ems="10"  android:inputType="textPersonName"  android:text="21302 'your number'" />  </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="64dp"  android:orientation="horizontal">   <TextView  android:id="@+id/tv4"  android:layout\_width="46dp"  android:layout\_height="36dp"  android:layout\_weight="1"  android:text="Class" />   <EditText  android:id="@+id/et4"  android:layout\_width="154dp"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:ems="10"  android:inputType="textPersonName"  android:text="eg: BSc IT" />  </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="79dp"  android:orientation="horizontal">   <Button  android:id="@+id/button2"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:text="Submit" />   <Button  android:id="@+id/button"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:text="Reset" />  </LinearLayout> </LinearLayout>  **OUTPUT:** |