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# **Roll No: 210451**

Practical No: 7

1. **Write a Program to accept the student information and toast all the value of the EditText on click event of button.**

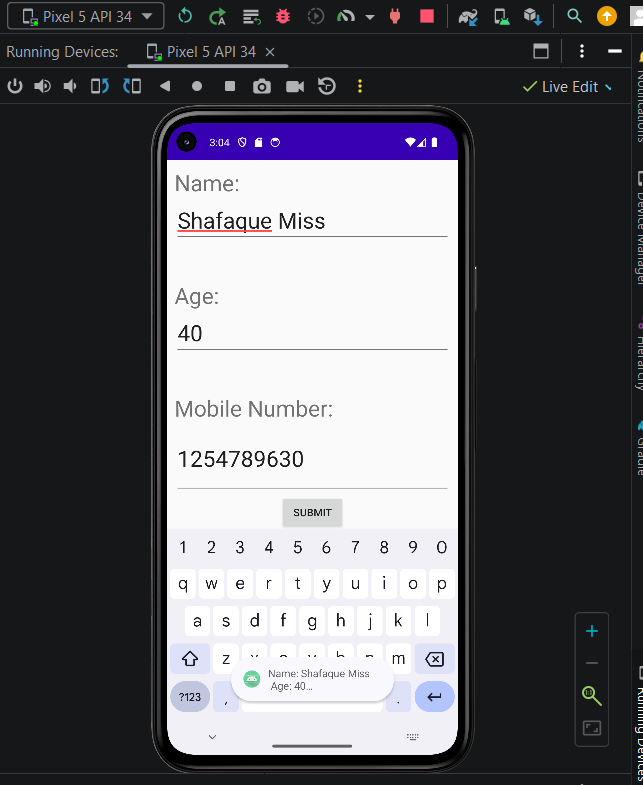
**CODE:**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_height="match\_parent"  
 android:layout\_width="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity"  
 android:padding="10dp">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Student Information"  
 android:textSize="40sp"  
 android:layout\_marginTop="100dp"  
 android:layout\_gravity="center"  
 android:textStyle="bold"  
 android:textColor="#de0d9c"/>  
 <TextView  
 android:layout\_marginTop="50dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Name:"  
 android:textSize="30sp"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter the student's name"  
 android:textSize="30sp"  
 android:id="@+id/nameField"/>  
 <TextView  
 android:layout\_marginTop="50dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Age:"  
 android:textSize="30sp"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter the student's age"  
 android:textSize="30sp"  
 android:id="@+id/ageField"/>  
 <TextView  
 android:layout\_marginTop="50dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Mobile Number:"  
 android:textSize="30sp"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter the student mobile no."  
 android:textSize="30sp"  
 android:id="@+id/mobField"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Submit"  
 android:id="@+id/submitButton"  
 android:layout\_gravity="center"/>  
</LinearLayout>

**JAVA CODE:**

package com.example.mad\_documentation;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.ArrayAdapter;  
import android.widget.AutoCompleteTextView;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 EditText nameField = (EditText)findViewById(R.id.*nameField*);  
 EditText ageField = (EditText)findViewById(R.id.*ageField*);  
 EditText mobField = (EditText)findViewById(R.id.*mobField*);  
 Button submitBtn = (Button)findViewById(R.id.*submitButton*);  
  
 submitBtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 String result = "Name: " + *nameField*.getText().toString() + "\n Age: " + *ageField*.getText().toString() + "\nMobile No.: " + *mobField*.getText().toString();  
 Toast.*makeText*(getApplicationContext(), result, Toast.*LENGTH\_LONG*).show();  
 }  
 });  
  
 }  
}

**OUTPUT:**

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**2) Write a Program to accept Username and Password from the end user using Text View and Edit Text and verify username and password.**

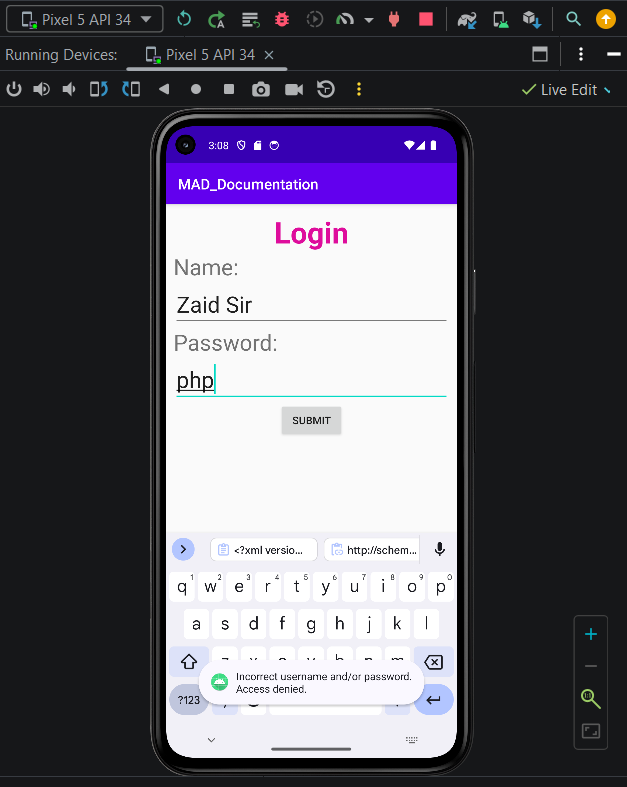
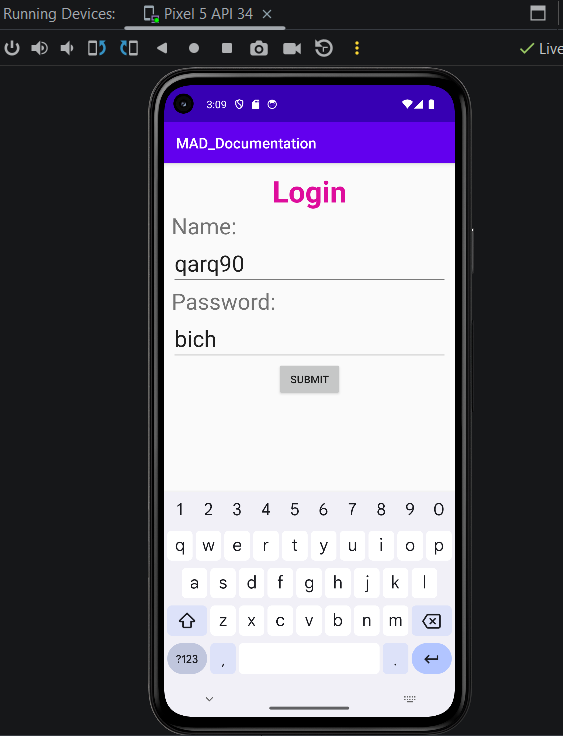
**CODE:**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_height="match\_parent"  
 android:layout\_width="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity"  
 android:padding="10dp">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Login"  
 android:textSize="40sp"  
 android:layout\_gravity="center"  
 android:textStyle="bold"  
 android:textColor="#de0d9c"/>  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Name:"  
 android:textSize="30sp"/>  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter username"  
 android:textSize="30sp"  
 android:id="@+id/nameField"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Password:"  
 android:textSize="30sp"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter password"  
 android:textSize="30sp"  
 android:id="@+id/passField"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Submit"  
 android:id="@+id/submitButton"  
 android:layout\_gravity="center"/>  
</LinearLayout>

**JAVA CODE:**

package com.example.mad\_documentation;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.ArrayAdapter;  
import android.widget.AutoCompleteTextView;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 EditText nameField = (EditText)findViewById(R.id.*nameField*);  
 EditText passField = (EditText)findViewById(R.id.*passField*);  
 Button submitBtn = (Button)findViewById(R.id.*submitButton*);  
  
 submitBtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 String name = *nameField*.getText().toString();  
 String pass = *passField*.getText().toString();  
 if (name.equals("qarq90") && pass.equals("bich"))  
 {  
 Toast.*makeText*(getApplicationContext(), "Correct username and password.\nAccess granted.", Toast.*LENGTH\_LONG*).show();  
 }  
 else  
 {  
 Toast.*makeText*(getApplicationContext(), "Incorrect username and/or password.\nAccess denied.", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 });  
  
  
 }  
}

**OUTPUT:**

**3) Write a Program to change the text of TextView on the button click.**

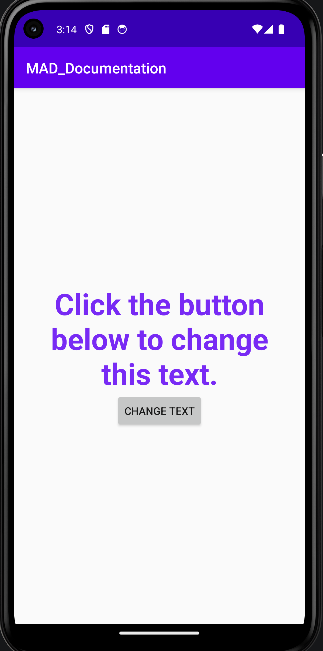
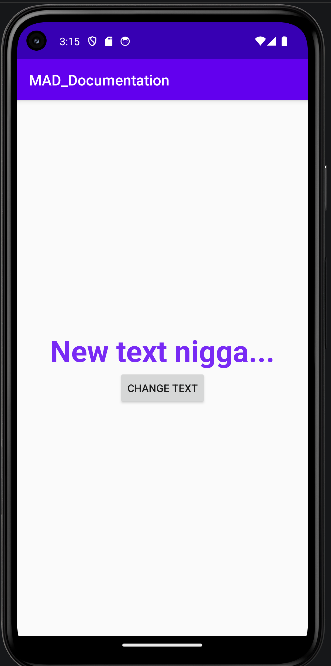
**XML CODE:**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_height="match\_parent"  
 android:layout\_width="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity"  
 android:padding="20dp"  
 android:gravity="center">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/testText"  
 android:text="Click the button below to change this text."  
 android:textSize="40sp"  
 android:layout\_gravity="center"  
 android:textStyle="bold"  
 android:gravity="center"  
 android:textColor="#782AF4"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Change Text"  
 android:id="@+id/changeTxt"  
 android:layout\_gravity="center" />  
</LinearLayout>

**JAVA CODE:**

package com.example.mad\_documentation;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.ArrayAdapter;  
import android.widget.AutoCompleteTextView;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 TextView txtChange = (TextView) findViewById(R.id.*testText*);  
 Button changeBtn = (Button)findViewById(R.id.*changeTxt*);  
  
 changeBtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 *txtChange*.setText("New text nigga...");  
 }  
 });  
 }  
}

**OUTPUT:**

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