Symbiosis University of Applied Sciences

Front Page of Answer Book

Enrollment Number:	2	0	1	9	B	T	C	S	0	8	8

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Name of Program: B. TECH **Year/Semester: 2ND YEAR/4TH SEMESTER**

Name of Paper: Mobile Application Development **Paper Code: BTCS04CCB4**

Date: 23RD-JULY-2021 **Day: FRIDAY** **Time: 09:30 AM – 10:30 AM**

Total No. of Pages.: 04

Instructions for Examinees

1. Fill up all entries required in this page.
2. Merge this doc page with your scanned answer sheets as a first page in a single PDF file.
3. Write your answers on A4 Ruled Sheets/Register Pages.
4. Write End after the last attempted question.
5. Write the page number on every page and mentioned Total No. of Pages on front Page.
6. **If the content in the Answer Book of two students or more has found similar, in that case all copied answer will stand cancelled.**

PRACTICAL ACTIVITY

1. **TITLE:** Create an Android App to access the default camera.

2. **AIM/OBJECTIVE:** To create an Android app for accessing the default camera.

3. **METHODOLOGY USED:** Creating a New Android Studio project & then adding the required code & files to get desired app functionality. After this, deploying the application on a virtual device.

4. **BRIEF DESCRIPTION:** The camera can be used to view & take pictures using over Android device. With the help of Android Studio we can easily create an app for accessing the default camera of our Android Virtual Device. Although it, simulates a virtual environment, still we can understand the ~~minority~~ working of a camera through our app. Below is the implementation of the same.

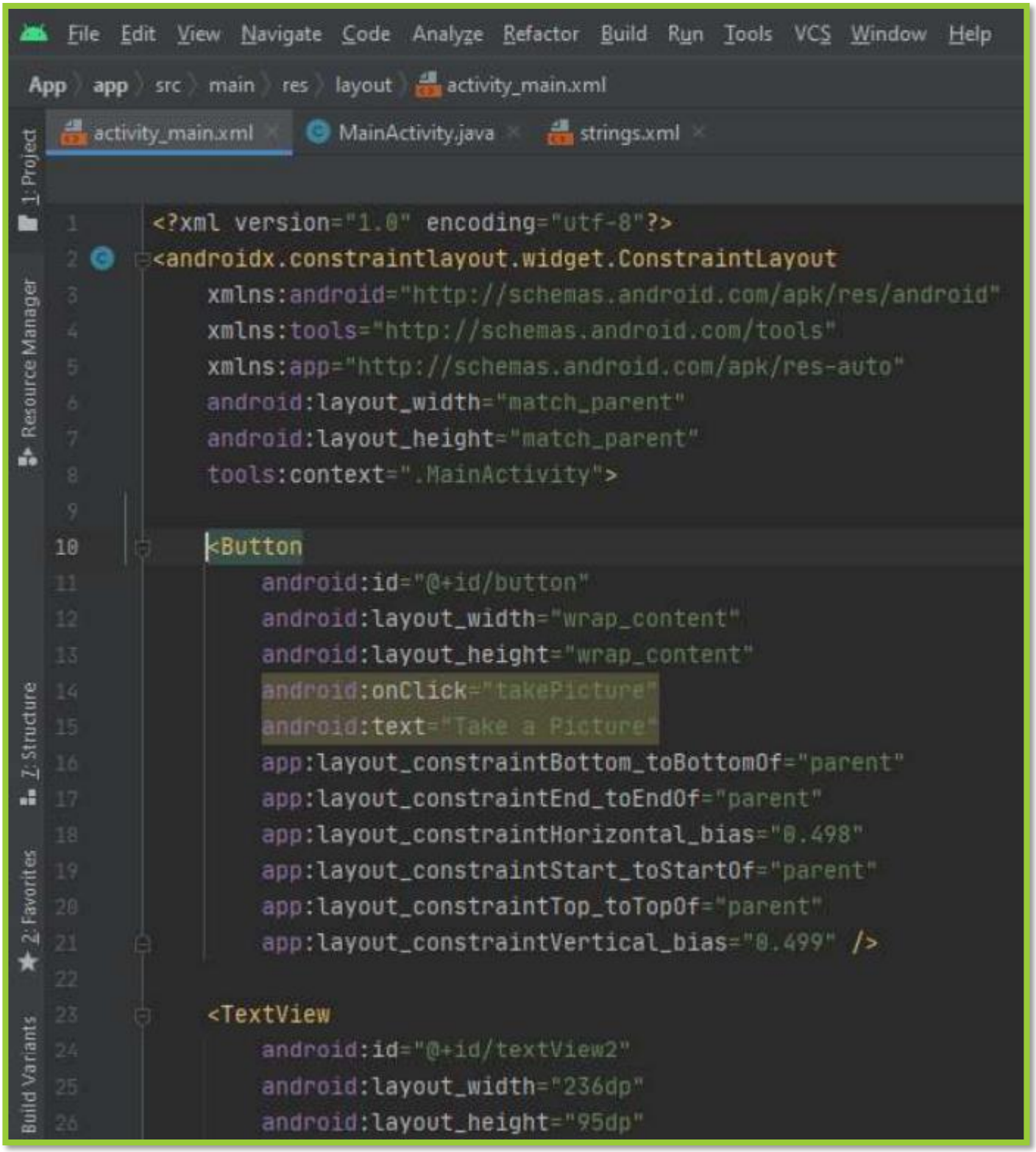
CAMERA ACCESS IN ANDROID STUDIO:

File Name: MainActivity.java

ity_main.xml | MainActivity.java | strings.xml

```
package com.example.app;

import ...

public class MainActivity extends AppCompatActivity {
    //ImageView mImageView;
    private static final int REQUEST_IMAGE_CAPTURE = 101;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

    }

    public void takePicture(View view) {
        Intent imageTakeIntent = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
        startActivity(imageTakeIntent);


    }

    protected void onActivityResult(int requestCode, int resultCode,  Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
    }
}
```

File Name: activity_main.xml



OUTPUT OF CAMERA ACCESS: