Task 4
1NT20IS182
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1. Explicit Intent

main activity.java

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {
    EditText name ;
    Button click ;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        name = findViewById(R.id.name) ;
        click = findViewById(R.id.click);
        click.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View V) {
                Intent it = new Intent(MainActivity.this, MainActivity2.class);
                Bundle b = new Bundle() ;
                b.putString("name",name.getText().toString());
                it.putExtras(b) ;
                startActivity(it);

            }
        });


    }
}
```

main_activity.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical">

    <EditText
        android:layout_width="match_parent"
```
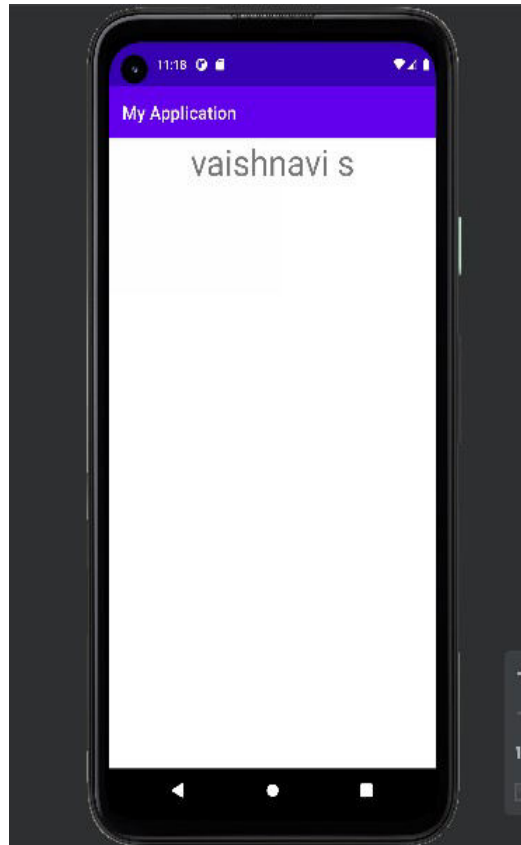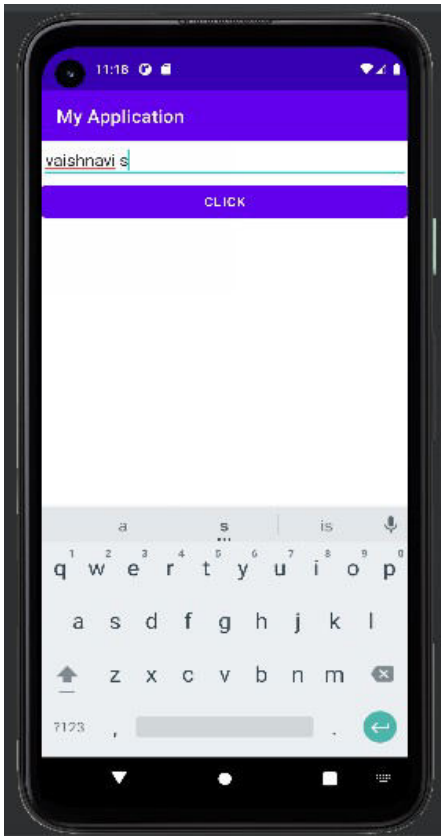
```xml
        android:layout_height="wrap_content"
        android:id="@+id/name"
        android:hint="Enter your name"/>
    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="CLICK"
        android:id="@+id/click"/>

</LinearLayout>
```

screenshots:

2. implicit intent

main_activity2.java

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {
    TextView myName ;
    String nameFromFirstActivity =" ";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
```

```
        myName = findViewById(R.id.mytext) ;
        nameFromFirstActivity = getIntent().getStringExtra("name");
        myName.setText(nameFromFirstActivity);
    }
}
```

main_activity2.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/mytext"
        android:text="NAME COMES HERE"
        android:textSize="40dp"
        android:textAlignment="center"
        />
</LinearLayout>
```

screenshots: