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Course:- BCA

Section:- C

Roll no:- 1921184

(1)

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="Example.javatpoint.com.implicitintent.mainActivity">
    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap-content"
        android:layout_height="wrap-content"
        android:layout_marginEnd="8dp"
        android:layout_marginStart="8dp"
        android:layout_marginTop="60dp"
        android:ems="10"
        />
```

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```
app:layout_constraintEnd_toEndOf = "parent"
app:layout_constraintHorizontal_bias = "0.575"
app:layout_constraintStart_toStartOf = "parent"
app:layout_constraintTop_toTopOf = "parent" />
<Button
    android:id="@+id/button"
    android:layout_width="wrap-content"
    android:layout_height="wrap-content"
    android:layout_marginRight="8dp"
    android:layout_marginLeft="156dp"
    android:layout_marginTop="172dp"
    android:text="visit"
    app:layout_constraintEnd_toEndOf = "parent"
    app:layout_constraintHorizontal_bias = "0.0"
    app:layout_constraintStart_toStartOf = "parent"
    app:layout_constraintTop_toBottomOf = "@+id/edit
    Text" />
</android.support.constraint.ConstraintLayout>
```

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MainActivity.java

```
Package example.javatpoint.com.implicitintent;  
import android.content.Intent; import android.  
net.Uri;  
import android.support.v7.app.AppCompatActivity;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
Public class MainActivity extends AppCompatActivity {  
    Button button;  
    EditText editText;  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
        button = findViewById(R.id.button);  
        editText = findViewById(R.id.editText);  
        button.setOnClickListener(new View.OnClickListener() {  
            @Override
```

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```
public void onclick (view view) {  
    String url = EditText.getText().toString();  
    Intent intent = new Intent(Intent.ACTION_VIEW, Uri.  
        parse (url));
```

```
    startActivity (intent);
```

```
}
```

```
};
```

```
}
```

```
}
```

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Main Activity - 1

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.
    android.com/apk/res/andr
oid" xmlns:app="http://schemas.android.com/apk
    /res
    auto" xmlns:tools="http://schemas.android.
        com/tools" android:layout-width
            n="match-parent" android:layout-height=
                "match-parent"
                tools:context="Main Activity">
    <TextView android:layout-width="match-pa
        rent"
        android:layout-height="wrap content"
        android:text="Hello, This is Activity 1"
        android:gravity="center"
        android:layout-marginTop="90dp"
        android:textSize="40dp"
        android:textColor="@color/teal-200"
        android:id="@+id/tv_1"/>
```

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< Button

```
android:layout-width = "wrap-content"
android:layout-height = "wrap-content"
android:layout-below = "@+id/tv_1"
android:layout-marginTop = "60dp"
android:id = "@+id/btn1"
android:layout-centerHorizontal = "true"
android:text = "click Here for Activity2" />
</RelativeLayout>
```

Java code:

```
package com.example.explicit-intent;
import android.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import
    android.widget.Button;
import android.widget.TextView;

public class MainActivity extends
    AppCompatActivity & TextView {
    Button btn;
    @ override
```

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

```
    tv=findViewById(R.id.tv1);  
    btn=findViewById(R.id.btn1);  
    btn.setOnClickListener(  
        new  
        View.OnClickListener() {
```

@ override

```
        public void onClick (View v) {
```

```
            Intent i = new
```

```
            Intent (getApplicationContext(), Activity2.  
                class);
```

```
            startActivity(i);
```

```
        }
```

```
    });
```

```
}
```

```
}
```

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Sign - Signature

internet

Internet connection is required for communication

Devices are not dependent on the internet

scope

A large n.o of ~~services~~ devices yet scope is large

limited scope for devices.

Business type used

Business 2 Business (B2B) and Business 2 consumer (B2C)

Business 2 Business (B2B)

open API support

Support Open API Integration

There is no support for open API's

Example

Smart wearables, Big data, and cloud etc

Sensors, Data and information etc.

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Q2

```
package com.sample.activity lifecycle;
```

```
import
```

```
android x.appcompat.app.AppCompatActivity;
```

```
import android.os.Bundle;
```

```
import android.util.Log;
```

```
public class MainActivity extends AppCompatActivity
```

```
{ public static final String status
```

```
MainActivity.class.getSimpleName();
```

```
@ override
```

```
protected void onCreate(Bundle savedInstanceState)
```

```
{ super.onCreate(savedInstanceState);
```

```
setContent View(R.layout.activity_main);
```

```
Log.i(status, "on method onCreate");
```

```
}
```

```
@ override
```

```
protected void onStop() {
```

```
super.onStop();
```

```
Log.i(status, "on method onStop");
```

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