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UTS : Pengembangan Aplikasi Berbasis Platform

1. Link You Tube

<https://youtu.be/fXaKZ0QQSP0>

2. Latihan Kondisi IF Then ELSE

```
package com.example.latihan;

import android.content.Intent;
import android.graphics.Typeface;
import android.os.Bundle;
import android.view.Gravity;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.CompoundButton;
import android.widget.RadioButton;
import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class Latihan7Activity extends AppCompatActivity {
    boolean miring = false;
    boolean tebal = false;
    boolean tengah = false;
    boolean kiri = false;
    boolean kanan = false;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_latihan7);

        // fungsi checkbox
        CheckBox kotakCekTebal = (CheckBox) findViewById(R.id.checkBoxTebal);
        CheckBox kotakCekMiring = (CheckBox)
        findViewById(R.id.checkBoxMiring);
        final TextView tampilanTextView = (TextView)
        findViewById(R.id.textViewLatihan);

        kotakCekMiring.setOnCheckedChangeListener(new
        CompoundButton.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(CompoundButton buttonView, boolean
            isChecked) {
                miring = isChecked;
            }
        });
    }
}
```

```
        if (miring == true && tebal == true)
    {
        tampilanTextView.setTypeface(null, Typeface.BOLD_ITALIC);
    } else if (miring == true && tebal == false )
    {
        tampilanTextView.setTypeface(null, Typeface.ITALIC);
    } else if (miring == false && tebal == true )
    {
        tampilanTextView.setTypeface(null, Typeface.BOLD);
    } else
    {
        tampilanTextView.setTypeface(null, Typeface.NORMAL);
    }
}
});
```

```
kotakCekTebal.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
    @Override
    public void onCheckedChanged(CompoundButton buttonView, boolean
isChecked) {
        tebal = isChecked;

        if (miring == true && tebal == true)
    {
        tampilanTextView.setTypeface(null, Typeface.BOLD_ITALIC);
    } else if (miring == true && tebal == false )
    {
        tampilanTextView.setTypeface(null, Typeface.ITALIC);
    } else if (miring == false && tebal == true )
    {
        tampilanTextView.setTypeface(null, Typeface.BOLD);
    } else
    {
        tampilanTextView.setTypeface(null, Typeface.NORMAL);
    }
}
});
});
```

```
//fungsi radio button
RadioButton rataKiri = (RadioButton)
findViewById(R.id.radioButtonkiri);
RadioButton rataTengah = (RadioButton)
findViewById(R.id.radioButtontengah);
RadioButton rataKanan = (RadioButton)
findViewById(R.id.radioButtonkanan);

rataKiri.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
    @Override
    public void onCheckedChanged(CompoundButton buttonView, boolean
isChecked) {
        kiri = isChecked;

        if (kiri == true && tengah == false && kanan == false)
{
```

```
        tampilanTextView.setGravity(Gravity.LEFT);
    } else if (kiri == false && tengah == true && kanan == false)
    {
        tampilanTextView.setGravity(Gravity.CENTER);
    } else if (kiri == false && tengah == false && kanan == true)
    {
        tampilanTextView.setGravity(Gravity.RIGHT);
    }
}
});

rataTengah.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
    @Override
    public void onCheckedChanged(CompoundButton buttonView, boolean
isChecked) {
        tengah = isChecked;

        if (kiri == true && tengah == false && kanan == false)
        {
            tampilanTextView.setGravity(Gravity.LEFT);
        } else if (kiri == false && tengah == true && kanan == false)
        {
            tampilanTextView.setGravity(Gravity.CENTER);
        } else if (kiri == false && tengah == false && kanan == true)
        {
            tampilanTextView.setGravity(Gravity.RIGHT);
        }
    }
});

rataKanan.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
    @Override
    public void onCheckedChanged(CompoundButton buttonView, boolean
isChecked) {
        kanan = isChecked;

        if (kiri == true && tengah == false && kanan == false)
        {
            tampilanTextView.setGravity(Gravity.LEFT);
        } else if (kiri == false && tengah == true && kanan == false)
        {
            tampilanTextView.setGravity(Gravity.CENTER);
        } else if (kiri == false && tengah == false && kanan == true)
        {
            tampilanTextView.setGravity(Gravity.RIGHT);
        }
    }
});

//      deklarasi button
Button button1 = findViewById(R.id.button1);
Button button2 = findViewById(R.id.button2);
```

```

// fungsi pindah page
button1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent goLatihan1 = new Intent(Latihan7Activity.this,
MainActivity.class);
        startActivity(goLatihan1);
        finish();
    }
});

button2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent goLatihan1 = new Intent(Latihan7Activity.this,
Latihan8Activity.class);
        startActivity(goLatihan1);
        finish();
    }
});
}

```

3. Latihan Looping

```

4. package com.example.latihan;

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

import androidx.appcompat.app.AppCompatActivity;

public class Latihan8Activity extends AppCompatActivity {
EditText et;
EditText et2;
Button btn;
TextView tv;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_latihan8);

    Button button1 = findViewById(R.id.button1);

    et = (EditText)findViewById(R.id.banyak);
    btn = (Button) findViewById(R.id.Loop);
    tv = (TextView)findViewById(R.id.hasil);
    et2 = (EditText)findViewById(R.id.isi);

    btn.setOnClickListener(new View.OnClickListener() {

```

```
    @Override
    public void onClick(View v) {
        Integer no =
Integer.parseInt(et.getText().toString());
        String hasil = "";
        String isi = et2.getText().toString();

        for (int i=0; i < no; i++){
            for (int j=0; j<=i; j++ )
            {
                hasil = hasil.concat(isi);
            }
            hasil = hasil.concat("\n");
        }
        tv.setText(hasil);
    }
});

// fungsi pindah page
button1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent goLatihan1 = new
Intent(Latihan8Activity.this, MainActivity.class);
        startActivity(goLatihan1);
        finish();
    }
});
```