

labwork - 11

* Implement the datePicker example to show selected date in TextView.

→

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context="MainActivity">
```

```
<TextView
```

```
    android:id="@+id/textview1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    tools:context="MainActivity"
    android:text="Select Date"
    app:layout_constraintBottom_toBottomOf="parent"
```

```
    android:textSize="20dp"
    android:layout_marginTop="20dp"
    android:layout_centerHorizontal="true"/>
```

```
<DatePicker
```

```
    android:id="@+id/datePicker"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/textview1"
    android:spinnerShown="true"/>
```

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<TextView

```

        android:id="@+id/textview2"
        11:layout_width="wrap_content"
        11: 11_height="" 11 ""
        11:textColor="@color/design_default_color_primary"
        11:layout_below="@+id/datePicker"
    />

```

<Button

```

        android:id="@+id/btn1"
        11:layout_width="wrap_content"
        11: 11_height="" 11 ""
        11:layout_below="@+id/textview2"
        11: 11_centerHoriz="true"
        11: 11_marginTop="172dp"
        11:text="Change Date" />

```

→ MainActivity.java

import...

public class MainActivity extends AppCompatActivity

DatePicker datePicker;

Button b_displaydate;

TextView textView;

@Override

protected void onCreate(Bundle savedInstanceState)

}

```
super.onCreate(savedInstanceState);  
setContentview(R.layout.activity_  
textview = (TextView) findViewById(  
    R.id.textview);  
displayDate = (Button) findViewById(  
    R.id.button);
```

```
textview.setText("current Date:" +  
    datePicker.getDayOfMonth()  
    + " - " + datePicker.getYear());
```

```
displayDate.setOnClickListener(  
    new View.OnClickListener() {
```

```
@Override
```

```
public void onClick(View v) {  
    getSelectedDate();  
}
```

```
};
```

```
}
```

```
public void getSelectedDate() {  
    String Builder date = new String
```

```
date.append("changed Date" +  
    "datePicker" + " - " +  
    datePicker.getYear());
```

```
textview.setText(date);
```

```
}  
}
```

34. Create android application using Progressbar that shows the file downloading.

```
→ <Xml version="1.0" encoding="utf-8"
  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res-
    android"
    xmlns:app="http://schemas.android:
      com/apk/res-auto"
    xmlns:tools="http://schemas.android:
      tools:context="mainActivity" >
```

```
<TextView
```

```
  android:id="@+id/textview"
    1: layout_width="wrap_content"
    1: 1 - height="11"
    1: text="welcome to Activity"
    app:layout_constraintBottom="parent"
    1: 1 - Right="rightOf"="parent"
    1: 1 - CenterHorizontal="true"
    1: 1 - marginTop="20dp"
    1: textSize="20dp" />
```

```
<Button
```

```
  android:id="@+id/button1"
    1: layout_width="wrap_content"
    1: 1 - height="11"
    1: layout_centerHorizontal="true"
    1: text="Download File"
```

```
/>
```

```
</RelativeLayout>
```


→ MainActivity.java:

```
package com.example.34.activity;
import
android x, appcontent appcompactActivity;
import android.app.ProgressDialog;
// // os.Bundle;
// // // Handler;
// // // view.view;
// // // widget.Button;
public class MainActivity extends
    AppCompatActivity {
    Button btnProgress;
    ProgressDialog progressBar;
    int progressBarStatus = 0;
    Start value int filesize = 0;
    Handler progressBarHandler =
        new Handler();
    @Override protected void onCreate
    (Bundle savedInstanceState) {
        setContentView(R.layout.activity_main);
        btnProgress = (Button) findViewById(
            R.id.button1);
        btnProgress.setOnClickListener(
            new View.OnClickListener() {
                @Override
                public void run() {
                    while
                    (progressBarStatus < 100) {
                        progressBarStatus = downloading;
                    }
                }
            }
        );
    }
}
```

```

    Thread.sleep(1000);
  }
  catch
    InterruptedException e)
  {
    e.printStackTrace();
  }
  progressBarHandler.post(new
    Runnable() {
      @Override
      public void run() {
        progressBar.setProgress(status);
      }
    }
  );
}

```

```

if (progressBar.status >= 100) {
  try {
    Thread.sleep(1000);
  }
  catch (InterruptedException e) {
    e.printStackTrace();
  }
  progressBar.dismiss();
}
}

```

```

}
}
start();
}

```

```

private int downloading() {
  while (fileSize <= 10000) {
    fileSize++;
    if (fileSize == 10000)
      {

```



```
    } return 10;
```

```
else if (File size == 2000)
```

```
    } return 20;
```

```
else if (File size == 3000)
```

```
    } return 30;
```

```
else if (File size == 4000)
```

```
    } return 40;
```

```
else if (File size == 5000)
```

```
    } return 50;
```

```
    }
```

```
else if (File size == 6000)
```

```
    } return 60;
```

```
    }
```

```
else if (File size == 7000)
```

```
    } return 70;
```

```
    }
```

```
else if (File size == 8000)
```

```
    } return 80;
```

```
    }
```

```
else if (File size == 9000)
```

```
    } return 90;
```

```
    }
```

```
else if (File size == 10000)
```

```
    } return 100;
```

```
    }
```

```
    } return 100;
```