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Practical : 10

MainActivity.java

```
package com.example.practical_10;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.text.Editable;
import android.text.TextWatcher;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    EditText uname,pass;
    Button login;

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

        uname = findViewById(R.id.uname);
        pass = findViewById(R.id.pass);
        login = findViewById(R.id.login);

        String user = uname.getText().toString();
        String mail = pass.getText().toString();

        uname.addTextChangedListener(text);
        pass.addTextChangedListener(text);
    }

    TextWatcher text = new TextWatcher() {
        @Override
        public void beforeTextChanged(CharSequence charSequence, int i, int
i1, int i2) {
            login.setEnabled(false);
        }

        @Override
        public void onTextChanged(CharSequence charSequence, int i, int i1,
int i2) {
```

```

        login.setEnabled(false);
        String user = uname.getText().toString();
        String pas = pass.getText().toString();
        String emailPattern = "[a-zA-Z0-9._-]+@[a-z]+\\.+[a-z]+";
        if(user.matches(emailPattern) && pas.length() > 5){
            login.setEnabled(true);
        }
        else {
            Toast.makeText(getApplicationContext(),"Enter valid Email and
password",Toast.LENGTH_LONG).show();
            login.setEnabled(false);
        }
    }

    @Override
    public void afterTextChanged(Editable editable) {
    }
};

public boolean checkEmail(String email,String emailPattern){

    if(email.matches(emailPattern)){
        return true;
    }

    return false;
}
}

```

activity_main.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"
    android:autofillHints="Enter Email"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/uname"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName" />

```

```
<EditText
    android:id="@+id/pass"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPassword" />

<Button
    android:id="@+id/login"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Login" />
</LinearLayout>
```

Output



