4.Develop an app to display a Progress Bar and show a message with Alert Dialog. activity main.xml:-<?xml version="1.0" encoding="utf-8"?> <androidx.constraintlayout.widget.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" android:onClick="verify" tools:context=".MainActivity"> < ProgressBar android:id="@+id/progressBar" style="?android:attr/progressBarStyleHorizontal" android:layout width="366dp" android:layout height="75dp" android:background="#BAECE7" android:indeterminateOnly="true" app:layout constraintBottom toBottomOf="parent" app:layout constraintEnd toEndOf="parent" app:layout constraintStart toStartOf="parent" app:layout constraintTop toTopOf="parent" app:layout constraintVertical bias="0.221" /> <Button android:id="@+id/button" android:layout width="wrap content" android:layout height="wrap content" android:onClick="verify" android:text="Button" app:layout constraintBottom toBottomOf="parent" app:layout constraintEnd toEndOf="parent" app:layout constraintStart toStartOf="parent" app:layout constraintTop toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```
MainActivity.java:-
package com.durgesh.program 4;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
  }
  public void verify(View view)
     AlertDialog.Builder alertBuilder=new AlertDialog.Builder(this);
     alertBuilder.setTitle("You want to Exit");
     alertBuilder.setMessage("Do you want to Exit??");
     alertBuilder.setIcon(R.drawable.img);
     alertBuilder.setPositiveButton("Yes", new DialogInterface.OnClickListener() {
       @Override
       public void onClick(DialogInterface dialogInterface, int i) {
         finish();
       }
     });
     alertBuilder.setNegativeButton("No", new DialogInterface.OnClickListener() {
       @Override
       public void onClick(DialogInterface dialogInterface, int i) {
          Toast.makeText(MainActivity.this, "Welcome Back",
Toast.LENGTH SHORT).show();
     });
     alertBuilder.setNeutralButton("Cancel", new DialogInterface.OnClickListener() {
       @Override
       public void onClick(DialogInterface dialogInterface, int i) {
          Toast.makeText(MainActivity.this, "Welcome", Toast.LENGTH SHORT).show();
     });
     AlertDialog al=alertBuilder.create();
     al.show();
  }
}
```



