MainActivity.java:

```java
public class MainActivity extends AppCompatActivity {

    ListView listView;
    TextView textView;
    Button addNew;

    ArrayList<String> arrayList;
    DBClass dbObj;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        textView = (TextView)findViewById(R.id.textView);
        listView = (ListView)findViewById(R.id.listView);
        addNew = (Button)findViewById(R.id.addNew);

        arrayList = new ArrayList<String>();
        dbObj = new DBClass(this);

        File folder = new File(Environment.getExternalStorageDirectory() +
"/LabFolder");
        if(folder.isDirectory())
        {
            //ReadData();

            arrayList.add("Purchase");
            dbObj.Insert("Purchase", "Talk about a purchase you've made that you are
happy with. Describe what you purchased and explain why you are happy about it.");
            arrayList.add("Generic");
            dbObj.Insert("Generic", "Talk about a time when you found a task harder to
accomplish than you expected. What were you trying to accomplish? Why did it become
difficult?");
            arrayList.add("Personality");
            dbObj.Insert("Personality", "What personality quality do you think is most
important in a good friend? Explain why.");
            arrayList.add("Country");
            dbObj.Insert("Country", "Choose a recent event in your country that people
want to talk about. Why are people interested in the event? Explain with specific
details and reasons.");
            arrayList.add("Future of country");
            dbObj.Insert("Future of country", "Imagine the ways in which your country
will change over the next five years. Talk about one way you expect it to change. Use
details to explain your answer.");
            arrayList.add("Famous person");
            dbObj.Insert("Famous person", "Choose a famous person who you think would
be enjoyable to have a conversation with. Explain why you would like to talk with
them, using specific details and reasons.");
            arrayList.add("School");
            dbObj.Insert("School", "Choose a subject that students study in school but
you think is not important. Explain why you feel it is not important to study. Use
details and examples in your response.");
            arrayList.add("Transportation");
            dbObj.Insert("Transportation", "What type of long-distance transportation
do you think is most enjoyable? Explain why you like it with specific details and
examples.");
            arrayList.add("Movie");
            dbObj.Insert("Movie", "Think of a movie you have not seen but would like
to see. Explain why you expect to like the movie. Give specific details and reasons in
your response.");
```

```java
            ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
android.R.layout.simple_list_item_1, android.R.id.text1, arrayList);
            listView.setAdapter(adapter);

            listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
                @Override
                public void onItemClick(AdapterView<?> adapterView, View view, int i,
long l) {
                    int position = i;
                    String val = (String)listView.getItemAtPosition(position);
                    Intent redirect = new Intent(MainActivity.this,
QuestionActivity.class);
                    redirect.putExtra("question", val);
                    startActivity(redirect);
                }
            });
        }
        else
        {
            File fileDirectory = Environment.getExternalStorageDirectory();
            fileDirectory = new File(fileDirectory+"/music");
            File fileList[] = fileDirectory.listFiles();
            String fileName = fileList[0].getAbsolutePath();
            File LabFolder = new File("/sdcard/LabFolder/");
            LabFolder.mkdir();
            File outputFile = new File(LabFolder, fileName);
            try
            {
                FileOutputStream fo = new FileOutputStream(outputFile);
            }
            catch (FileNotFoundException ex)
            {}
        }
    }

    public void ReadData()
    {
        File fileDirectory = Environment.getExternalStorageDirectory();
        fileDirectory = new File(fileDirectory+"/LabFolder");
        File fileList[] = fileDirectory.listFiles();
        for(int i = 0; i<fileList.length; i++)
        {
            arrayList.add(fileList[i].getName());
            dbObj.Insert(fileList[i].getName(), fileList[i].getAbsolutePath());
        }
        ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
android.R.layout.simple_list_item_1, android.R.id.text1, arrayList);
        listView.setAdapter(adapter);
    }

    public void AddNew(View view)
    {
        Intent redirect = new Intent(MainActivity.this, QuestionActivity.class);
        startActivity(redirect);
    }
}
```

QuestionActivity.java:

```java
public class QuestionActivity extends AppCompatActivity {

    String str = "";
```

```java
        TextView textView;
        Button answer;
        private TextToSpeech tts;

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

            textView = (TextView)findViewById(R.id.textView);
            answer = (Button)findViewById(R.id.Answer);

            Bundle extras = getIntent().getExtras();
            if (extras != null)
            {
                str = extras.getString("question");
                //The key argument here must match that used in the other activity

                textView.setText(str.toString());
                tts = new TextToSpeech(this, new TextToSpeech.OnInitListener() {
                    @Override
                    public void onInit(int status) {
                        if (status == TextToSpeech.SUCCESS) {
                            // Change this to match your
                            // locale
                            tts.setLanguage(Locale.US);
                            tts.speak(str, TextToSpeech.QUEUE_FLUSH, null);
                        }
                    }
                });

            }
        }
    }
```

RecodingActivity.java:

```java
public class RecordingActivity extends AppCompatActivity {

    Button Play, Stop, Record;
    MediaRecorder recorder;
    String outputFile;

    String fileName ="file.3gp";

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

        Play = (Button)findViewById(R.id.Play);
        Stop = (Button)findViewById(R.id.Stop);
        Record = (Button)findViewById(R.id.Record);

        Stop.setEnabled(false);
        Play.setEnabled(false);

        AlertDialog.Builder builder = new AlertDialog.Builder(RecordingActivity.this);
        builder.setTitle("Save file");
        builder.setIcon(R.drawable.ic_launcher_foreground);
```

```java
            builder.setMessage("Please provide the file name");

            input = new EditText(RecordingActivity.this);
            builder.setView(input);
            builder.setPositiveButton("Submit", new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialogInterface, int i) {
                    fileName = input.getText().toString();
                    fileName = fileName + ".3gp";
                    Toast.makeText(getApplicationContext(), fileName,
Toast.LENGTH_LONG).show();
                }
            });
            builder.setNegativeButton("Cancel", new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialogInterface, int i) {

                }
            });

            final AlertDialog ad = builder.create();


            outputFile = Environment.getExternalStorageDirectory().getAbsolutePath() +
"/LabFolder/" +fileName; //file.3gp";

            recorder = new MediaRecorder();
            recorder.setAudioSource(MediaRecorder.AudioSource.MIC);
            recorder.setOutputFormat(MediaRecorder.OutputFormat.THREE_GPP);
            recorder.setAudioEncoder(MediaRecorder.OutputFormat.AMR_NB);
            recorder.setOutputFile(outputFile);



            Record.setOnClickListener(new View.OnClickListener()
            {
                @Override
                public void onClick(View view) {
                    try
                    {
                        recorder.prepare();
                        recorder.start();
                    }
                    catch (IllegalStateException e)
                    {}
                    catch (IOException io)
                    {}
                    Record.setEnabled(false);
                    Stop.setEnabled(true);
                    Toast.makeText(getApplicationContext(),"Recording started",
Toast.LENGTH_LONG).show();
                }
            });
            Stop.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    recorder.stop();
                    recorder.release();
                    recorder = null;
                    Record.setEnabled(true);
                    Stop.setEnabled(false);
                    Play.setEnabled(true);
```

```java
                Toast.makeText(getApplicationContext(),"Please save the file",
Toast.LENGTH_LONG).show();

                ad.show();
            }
        });
        Play.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                MediaPlayer mediaPlayer = new MediaPlayer();
                try
                {
                    mediaPlayer.setDataSource(outputFile);
                    mediaPlayer.prepare();
                    mediaPlayer.start();
                    Toast.makeText(getApplicationContext(),"Playing Audio",
Toast.LENGTH_LONG).show();
                }
                catch (Exception e)
                {}
            }
        });
    }
}
```