```
import android.speech.tts.TextToSpeech;
import com.google.android.gms.location.LocationServices;
   FusedLocationProviderClient mFusedLocationClient;
```

```
private TextToSpeech myTTS;
    initializeTextToSpeech();
        promptSpeechInput();
```

```
public void promptSpeechInput() {
            speak("Its " + time);
            speak("Its " + date);
```

```
bm.getIntProperty(BatteryManager.BATTERY PROPERTY CAPACITY);
BatteryManager.BATTERY_STATUS_CHARGING || status ==
BatteryManager.BATTERY_STATUS_FULL;
BatteryManager.BATTERY STATUS DISCHARGING) {
                    am.setRingerMode(1);
                    speak("Phone is on Vibrate");
                    am.setRingerMode(2);
                    chatt.setText("I'm doing great, thanks for asking
```

```
Toast.makeText(getApplicationContext(), "I don't
                    speak("I am your Personal Assistant, I'm here to help
                    speak("I don't recognise, Please try again");
                    speak("Bluetooth turned on");
BluetoothAdapter.getDefaultAdapter();
                    bluetooth.disable();
                    speak("Bluetooth turned off");
```

```
chatt.setText("Volume Decreased");
                   mobileConnected = activeInfo.getType() ==
Manifest.permission.CALL PHONE) != PackageManager.PERMISSION GRANTED) {
```

```
speak("Calling "+Num);
               speak("You're Always Welcome");
               speak("Bye");
               speak("I don't recognise, Please try again");
   public void initializeTextToSpeech() {
device", Toast. LENGTH LONG) .show();
```

```
clicking on the volume button");
private void requestPermission() {
private void speak(String message) {
private void getLastLocation() {
                public void onComplete(@NonNull Task<Location> task) {
                        requestNewLocationData();
```

```
requestPermissions();
    private void requestNewLocationData() {
            Location mLastLocation = locationResult.getLastLocation();
mLastLocation.getLongitude());
    private boolean checkPermissions() {
Manifest.permission.ACCESS COARSE LOCATION) ==
Manifest.permission.ACCESS FINE LOCATION) ==
PackageManager. PERMISSION GRANTED;
```

```
private void requestPermissions() {
       ActivityCompat.requestPermissions(this, new String[]{
                Manifest.permission. ACCESS COARSE LOCATION,
                Manifest.permission.ACCESS FINE LOCATION}, PERMISSION ID);
   onRequestPermissionsResult(int requestCode, @NonNull String[]
permissions, @NonNull int[] grantResults) {
Locale.getDefault());
            Address obj = addresses.get(0);
```

```
// TODO Auto-generated catch block
    e.printStackTrace();
    Toast.makeText(this, e.getMessage(),

Toast.LENGTH_SHORT).show();
}

@Override
public void onBackPressed() {

    if (backPressedTime + 2000> System.currentTimeMillis()) {
        backToast.cancel();
        super.onBackPressed();
        Intent i = new Intent(Intent.ACTION_MAIN);
        i.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
        i.addCategory(Intent.CATEGORY_HOME);
        startActivity(i);
        finish();
        System.exit(0);
    }
    else{
        backToast = Toast.makeText(getBaseContext(), "Press back again to exit", Toast.LENGTH_SHORT);
        backToast.show();
}

backPressedTime = System.currentTimeMillis();
}
```