**Assignment:-5**

**5. Understanding of UI :**

**a. Create an UI such that , one fragment of screen have list of all the types of cars.**

**b. On selecting of any car name, second fragment of screen should show Car details like name , launched date , company name,images(using gallery) if available, show different colors in which it is available.**

**Ans:- The Code For the Above programme:-**

**MainActivity.java**

**package com.example.rakes.tutorialno\_05;**

**import android.support.v7.app.AppCompatActivity;**

**import android.os.Bundle;**

**import android.util.Log;**

**import android.view.View;**

**import android.widget.AdapterView;**

**import android.widget.ArrayAdapter;**

**import android.widget.ImageView;**

**import android.widget.Spinner;**

**import android.widget.TextView;**

**import android.widget.Toast;**

**import java.util.jar.Attributes;**

**public class MainActivity extends AppCompatActivity implements AdapterView.OnItemSelectedListener{**

**String[] Car = {"Select","r","t","d","m"};**

**private Spinner spinner;**

**private ImageView img;**

**private TextView Name,Launch\_Date,Company\_Name;**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.*activity\_main*);**

**spinner = (Spinner) findViewById(R.id.*spinner*);**

**img = (ImageView) findViewById(R.id.*imageView*);**

**Name = (TextView) findViewById(R.id.*textView*);**

**Launch\_Date=(TextView) findViewById(R.id.*textView2*);**

**Company\_Name=(TextView) findViewById(R.id.*textView3*);**

**ArrayAdapter a = new ArrayAdapter(this, android.R.layout.*simple\_spinner\_item*, Car);**

**a.setDropDownViewResource(android.R.layout.*simple\_spinner\_item*);**

**spinner.setAdapter(a);**

**spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {**

**@Override**

**public void onItemSelected(AdapterView<?> parent, View view, int i, long id) {**

**Log.*e*("item selected",Car[i]);**

**if(Car[i].equals("Select"))**

**img.setImageResource(R.drawable.*ic\_launcher\_background*);**

**if(Car[i].equals("d"))**

**{**

**Log.*e*("item selected",Car[i]);**

**img.setImageResource(R.drawable.*d*);**

**Name.setText("Name:-Discovery");**

**Launch\_Date.setText("Launch\_Date:-1989");**

**Company\_Name.setText("Company\_Name:-Land Rover");**

**}**

**if(Car[i].equals("m"))**

**{**

**img.setImageResource(R.drawable.*m*);**

**Name.setText("Name:-Mercedes-Benz");**

**Launch\_Date.setText("Launch Date:-28 June 1926");**

**Company\_Name.setText("Company Name:-Mercedes-Benz");**

**}**

**if(Car[i].equals("r"))**

**{**

**img.setImageResource(R.drawable.*r*);**

**Name.setText("Name:-Renault Kwid ");**

**Launch\_Date.setText("Launch Date:-19 October 2016");**

**Company\_Name.setText("Company Name:-Renault");**

**}**

**if(Car[i].equals("t"))**

**{**

**img.setImageResource(R.drawable.*t*);**

**Name.setText("Name:-Toyota ");**

**Launch\_Date.setText("Launch Date:-August 28, 1937");**

**Company\_Name.setText("Company Name:-Toyota Motor Corporation");**

**}**

**}**

**@Override**

**public void onNothingSelected(AdapterView<?> parent) {**

**}**

**});**

**}**

**@Override**

**public void onItemSelected(AdapterView<?> parent, View view, int i, long id) {**

**}**

**@Override**

**public void onNothingSelected(AdapterView<?> parent) {**

**}**

**}**

**Activity\_main.xml**

***<?*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.com/tools"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**tools:context=".MainActivity">**

**<Spinner**

**android:id="@+id/spinner"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:layout\_alignParentStart="true"**

**android:layout\_alignParentTop="true"**

**android:layout\_marginTop="23dp" />**

**<ImageView**

**android:id="@+id/imageView"**

**android:layout\_width="257dp"**

**android:layout\_height="251dp"**

**android:layout\_alignParentTop="true"**

**android:layout\_centerHorizontal="true"**

**android:layout\_marginTop="58dp" />**

**<TextView**

**android:id="@+id/textView"**

**android:layout\_width="261dp"**

**android:layout\_height="38dp"**

**android:layout\_alignParentBottom="true"**

**android:layout\_alignStart="@+id/imageView"**

**android:layout\_marginBottom="130dp" />**

**<TextView**

**android:id="@+id/textView2"**

**android:layout\_width="268dp"**

**android:layout\_height="35dp"**

**android:layout\_alignParentBottom="true"**

**android:layout\_alignStart="@+id/imageView"**

**android:layout\_marginBottom="80dp" />**

**<TextView**

**android:id="@+id/textView3"**

**android:layout\_width="269dp"**

**android:layout\_height="36dp"**

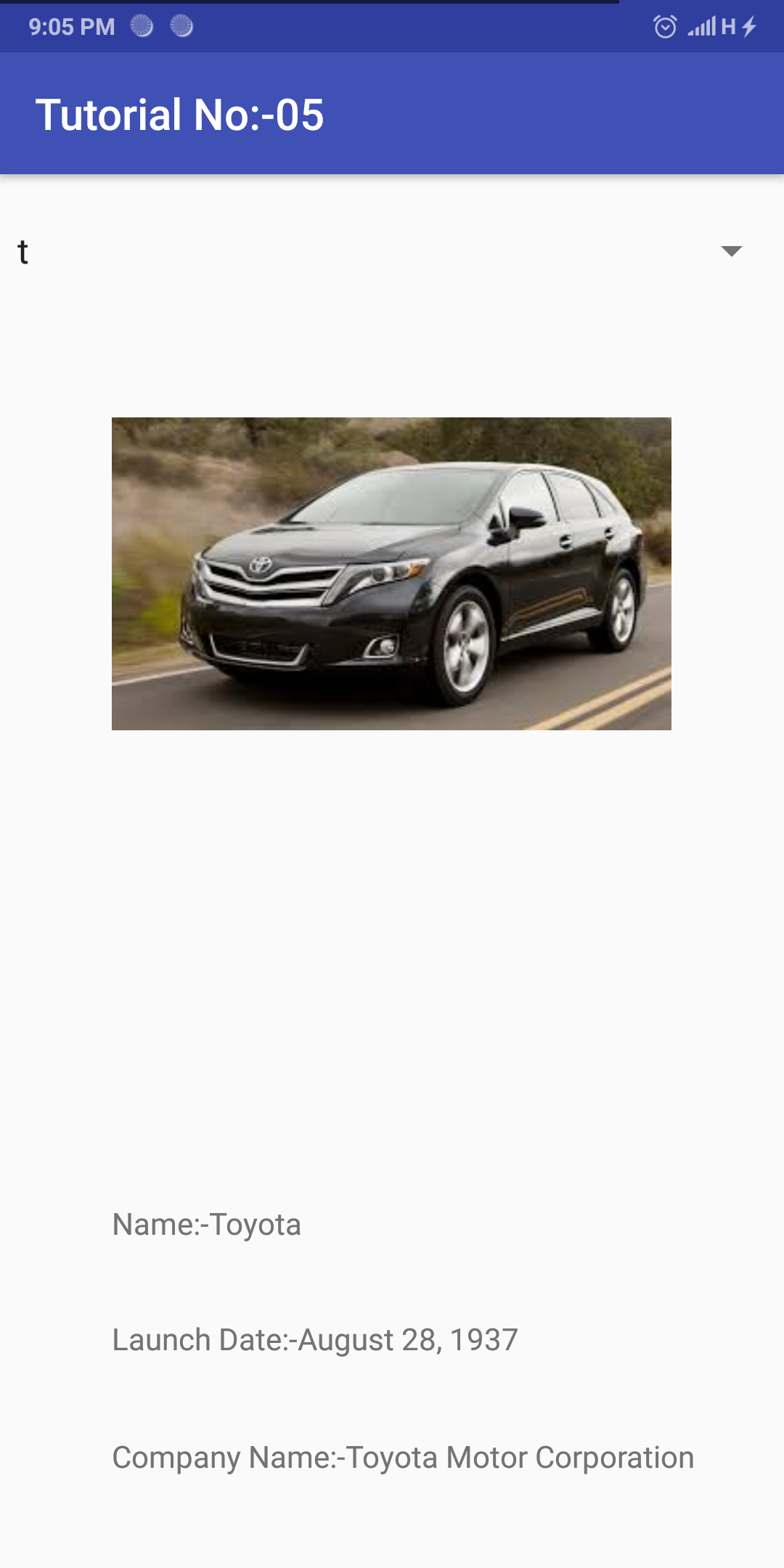
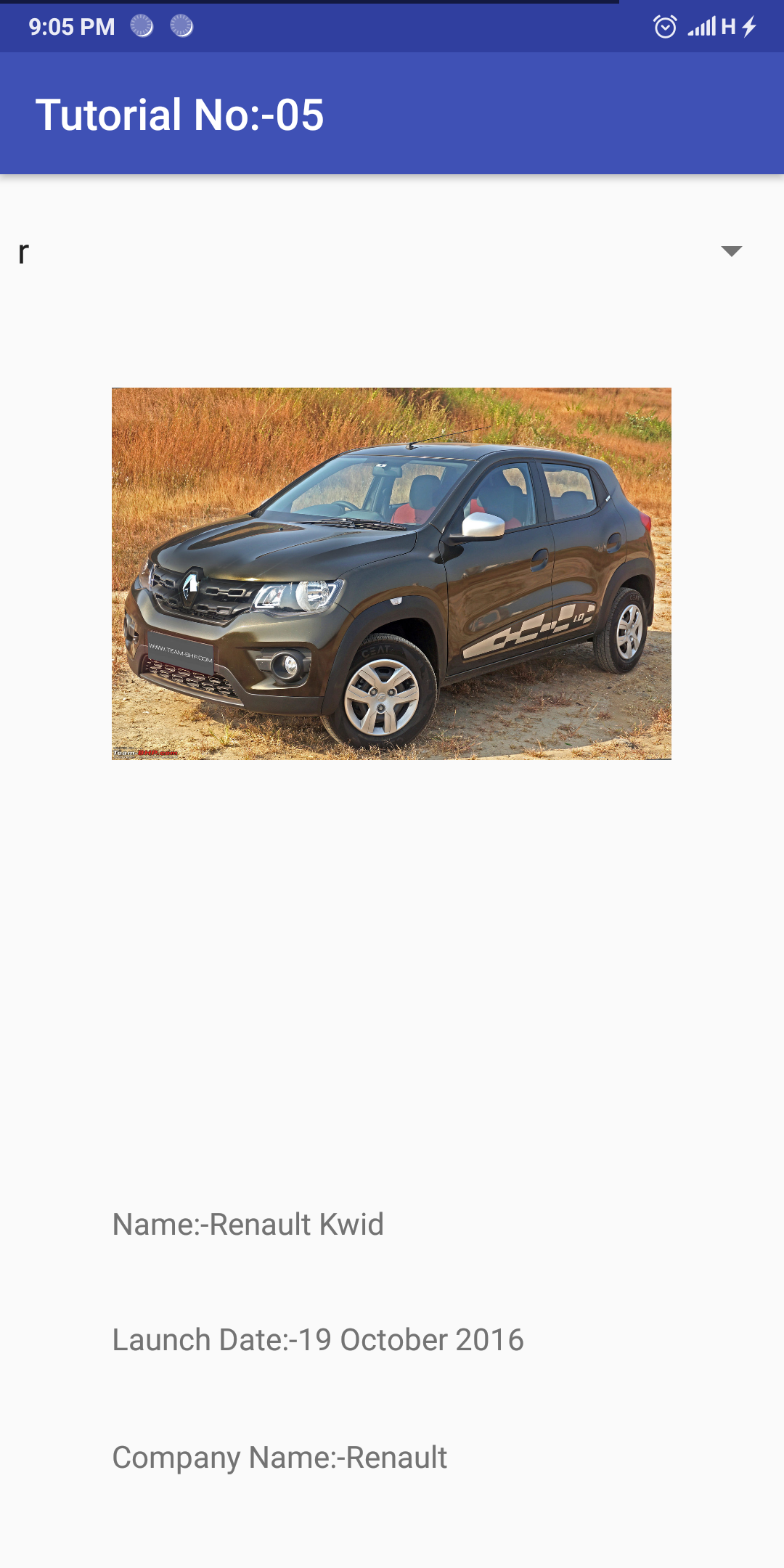
**android:layout\_alignParentBottom="true"**

**android:layout\_alignStart="@+id/imageView"**

**android:layout\_marginBottom="25dp" />**

**</RelativeLayout>**

**The OutPut:-**

****