

Decimal Format

```
DecimalFormat currency = new
DecimalFormat("$###,###.##");
currency.format(totalCost);
```

Pass And Get Value Into/From Another Activity

```
Intent i = new Intent(MainActivity.this,
                        SecondActivity.c-
lass);
                        i.putExtra("data",total-
Cost);
                        startActivity(i);
Intent intent = getIntent();
Double value = itent.getDoubleExtra(Key,0);
```

Splash Activity

```
public class SplashActivity extends
AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);
        TimerTask task = new TimerTask() {
            @Override
            public void run() {
                finish();
                startActivity(new Intent(SplashAc-
tivity.this,
                                    MainActivity.class));
            }
        };
        Timer t = new Timer();
        t.schedule(task,4000);
    }
}
```

Working with Files

```
FileOutputStream fout =
openFileOutput("File1.txt",MODE_APPEND);
fout.write(data.getBytes());
fout.write("\n".getBytes());
fout.close();
FileInputStream fin = openFileInput("File1.txt");
String temp = "";
int c;
char ch;
while((c=fin.read())!=-1){
    ch = (char)c;
    temp += Character.toString(ch);
}
output.setText(temp);
fin.close();
```

Calling DBHelper

```
//to view student records
/*Cursor c = dbh.viewData();
StringBuilder str = new StringBuilder();
if(c.getCount()>0){
    while (c.moveToNext()){
        str.append("ID : " +c.getString(0));
        str.append(" First Name : " +c.getString(1));
        str.append(" Last Name : "+c.getString(2));
        str.append(" Cell number : "+ c.getString(3));
        str.append(" prov Id : " + c.getString(4));
        str.append("\n");
    }
    result.setText(str);
//Create Record
    boolean isAdded= db.addRec(fn.getText().toStrin-
g(),ln.getText().toString(),
                                cn.getText().toString(),-
pi.getText().toString());
```



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Page 1 of 3.

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Database

```
public class DatabaseHelper extends
SQLiteOpenHelper{
final static String DATABASE_NAME = "Information.d-
b";
final static int DATABASE_VERSION = 4;
public DatabaseHelper(Context context) {
super(context, DATABASE_NAME, null, DATABASE_VER-
SION);
}
@Override
public void onCreate(SQLiteDatabase db) {
//creating student_table and province_table
String query = "Create Table [TABLENAME] (
[COLUMN] INTEGER PRIMARY KEY ,COLUMN2 TEXT,...)";
//Only INTEGER, TEXT OR REAL
try{
db.execSQL(query);
}
catch (Exception e){
e.printStackTrace();
}
}
@Override
public void onUpgrade(SQLiteDatabase db, int
oldVersion, int newVersion) {
db.execSQL("Drop table if exists " + TABLE1_NAME);
db.execSQL("Drop table if exists " + TABLE2_NAME);
onCreate(db);
}
//Add Record
SQLiteDatabase db = this.getWritableDatabase();
ContentValues values = new ContentValues();
values.put("Column",value);
long r = db.insert(TABLE1_NAME,null,values);
if(r == -1){
return false;
}
else{
```

Database (cont)

```
return true;
}
//method to view data
public Cursor viewData(){
SQLiteDatabase db = this.getWritableDatabase();
String query = "Select * from " + TABLE1_NAME;
Cursor c = db.rawQuery(query,null);
return c;
}
```

Play Media

```
mpG = new MediaPlayer();
mpG = MediaPlayer.create(this,R.raw.ukulele);
mpD = new MediaPlayer();
mpD = MediaPlayer.create(this,R.raw.drums);
mpG.start();
mpG.pauset();
```

Shared Prefs

```
final SharedPreferences sharedPref =
PreferenceManager.getDefaultShare-
dPreferences
(this);
button.setOnClickListener(new View.OnClickLis-
tener() {
@Override
public void onClick(View v) {
intYear = Integer.parseInt(year-
s.getText().toString());
decLoan = Float.parseFloat(1-
oan.getText().toString());
decInterest = Float.parseFloat(i-
nterest.getText().toString());
SharedPreferences.Editor editor =
sharedPref.edit();
editor.putInt("key1",intYear);
editor.putFloat("key2",decLoan);
editor.putFloat("key3",decInt-
erest);
editor.commit();
startActivity(new Intent
```

Shared Prefs (cont)

```
                (MainActivity.this, Payme-
nt.class));
            }
        });
//Get the values
SharedPreferences sp = PreferenceManager.
    getDefaultSharedPreferences(this);
int years = sp.getInt("key1",0);
float loan = sp.getFloat("key2",0);
float interest = sp.getFloat("key3",0);
```

Working With Fragments

```
public class FragmentOne extends Fragment {
    @Override
    public View onCreateView(LayoutInflater
inflater, ViewGroup container,
        Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        return inflater.inflate(R.layout.fragment-
t_fragment_one, container, false);
    }
//Main
public void clickOne(View view) {
    FragmentManager fm = getSupportFragment-
Manager();
    FragmentTransaction ft = fm.beginTransaction();
    FragmentOne f1 = new FragmentOne();
    ft.add(R.id.rlFrag1, f1);
    ft.commit();
}
//Add this to the layout
android:onClick="clickOne"
//Dont forget to change fragment layout to relative
```



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Page 3 of 3.

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