Decimal Format

```
DecimalFormat currency = new
DecimalFormat("$###,###.##");
curren cy.f or mat (to tal Cost));
```

Pass And Get Value Into/From Another Activity

```
Intent i = new Intent(MainActivity.this,
                                                -
              Sec ond Act ivi ty.c lass);
                                               -
i.p utE xtr a("d ata " ,to tal Cost);
                                               -
sta rtA cti vit y(i);
Intent intent = getInt ent();
Double value = itent.g et Dou ble Ext ra( Key,0);
```

Splash Activity

```
public class SplashActivity extends
AppCompatActivity {
        @Ov erride
        pro tected void onCrea te( Bundle savedI -
nst anc eState) {
                sup er.o nC rea te( sav edI nst -
anc eSt ate);
                set Con ten tVi ew( R.l ayo ut.a -
ct ivi ty_ spl ash);
                Tim erTask task = new TimerT ask()
{
                        @Ov erride
                        public void run() {
                                fin ish();
                                sta rtA cti vit -
y(new Intent (Sp las hAc tiv ity.this,
                                               -
Mai nAc tiv ity.cl ass));
                        }
               };
                Timer t = new Timer();
                t.s che dul e(t ask ,4000);
       }
}
```

Working with Files

```
FileOutputStream fout =
openFi leO utp ut( " Fil e1.t xt " ,MO DE_ APP -
END);
fout.w rit e(d ata.ge tBy tes());
fout.w rit e(" \n".g etB yte s());
fout.c lose();
FileIn put Stream fin = openFi leI npu t("F ile -
1.t xt");
String temp = " ";
int c;
char ch;
while( (c= fin.re ad( ))! =-1){
ch = (char)c;
temp += Charac ter.to Str ing (ch);
}
output.se tTe xt( temp);
fin.cl ose();
```

Calling DBHelper

```
//to view student records
/*Cursor c = dbh.vi ewD ata();
String Builder str = new String Bui lder();
if(c.g etC oun t() >0){
while (c.mov eTo Nex t()){
str.ap pen d("ID : " +c.get Str ing (0));
str.ap pen d(" First Name : " +c.get Str ing (1));
str.ap pen d(" Last Name : " +c.g et Str ing (2));
str.ap pen d(" Cell number : "+ c.getS tri ng(3));
str.ap pen d(" prov Id : " + c.getS tri ng(4));
str.ap pen d(" \n");
}
result.se tTe xt( str);
//Create Record
  boolean isAdded= db.add Rec (fn.ge tTe xt( ).t -
oSt rin g() ,ln.ge tTe xt( ).t oSt ring(),
                                                -
cn.g et Tex t().to Str ing (), pi.g et Tex t().to -
Str ing());
```


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Database

```
public class DatabaseHelper extends
SQLiteOpenHelper{
final static String DATABA SE_NAME = " Inf orm -
ati on.d b";
final static int DATABA SE_ VERSION = 4;
public Databa seH elp er( Context context) {
super( con text, DATABA SE_ NAME, null, DATABA -
SE_ VER SION);
}
@Override
public void onCrea te( SQL ite Dat abase db) {
//creating studen t_table and provin ce_ table
String query = " Create Table [TABLE NAME] (
[COLUMN] INTEGER PRIMARY KEY ,COLUMN2
TEXT,...) ";
//Only INTEGER, TEXT OR REAL
try{
db.exe cSQ L(q uery);
}
catch (Exception e){
e.prin tSt ack Tra ce();
}
}
@Override
public void onUpgr ade (SQ Lit eDa tabase db, int
oldVer sion, int newVer sion) {
db.exe cSQ L("Drop table if exists " + TABLE1 -
_NAME);
db.exe cSQ L("Drop table if exists " + TABLE2 -
_NAME);
onCrea te(db);
}
//Add Record
SQLite Dat abase db = this.g etW rit abl eDa tab -
ase();
Conten tValues values = new Conten tVa lues();
values.pu t("C olu mn", value);
long r = db.ins ert (TA BLE 1_N AME ,nu ll, val -
ues);
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 = MediaP lay er.c re ate (th is, R.r aw.u ku -
lele);
mpD = new MediaP lay er();
mpD = MediaP lay er.c re ate (th is, R.r aw.d -
rums);
mpG.st art();
mpG.pa uset();
```

Shared Prefs

```
final SharedPreferences sharedPref =
                                Pre fer enc eMa -
nag er.g et Def aul tSh are dPr efe rences
                                                -
(this);
button.se tOn Cli ckL ist ene r(new View.O nCl -
ick Lis tener() {
                        @Ov erride
                        public void onClic k(View
v) {
                                intYear = Intege -
r.p ars eIn t(y ear s.g etT ext ().t oS tri ng());
                                decLoan =
Float.p ar seF loa t(l oan.ge tTe xt( ).t oSt rin -
g());
                                dec Int erest =
Float.p ar seF loa t(i nte res t.g etT ext ().t -
oS tri ng());
                                Sha red Pre fer -
enc es.E ditor editor = shared Pre f.e dit();
                                edi tor.pu tIn -
t("k ey1 " ,in tYear);
                                edi tor.pu tFl -
oat ("ke y2", dec Loan);
                                edi tor.pu tFl -
oat ("ke y3", dec Int erest);
                                edi tor.co mmit();
                                sta rtA cti vit -
y(new Intent
```


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Shared Prefs (cont)

```
>                   (MainActivity.this,Payment.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 {
        @Ov erride
        public View onCrea teV iew (La you tIn -
flater inflater, ViewGroup container,
                                                -
        Bundle savedI nst anc eState) {
               // Inflate the layout for this
fragment
                return inflat er.i nf lat e(R.la -
you t.f rag men t_f rag men t_one, container,
false);
       }
//Main
public void clickO ne(View view){
                Fra gme ntM anager fm = getSup -
por tFr agm ent Man ager();
                Fra gme ntT ran saction ft =
fm.beg inT ran sac tion();
                Fra gme ntOne f1 = new Fragme ntO -
ne();
                ft.a dd (R.i d.r lF rag 1,f1);
                ft.c om mit();
       }
//Add this to the layout
androi d:o nCl ick ="cl ick One "
//Dont forget to change fragment layout to relative
```


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