**Комп’ютерний практикум №3**

**Взаємодія з серверною частиною та базами даних»**

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ublic class DatabaseHelper extends SQLiteOpenHelper {

private static final String TAG = "DatabaseHelper";

private static final String DATABASE\_NAME = "trackerdb";

private static final int DATABASE\_VERSION = 3;

public static final String APPLICATIONS\_TABLE = "applications";

public static final String ID\_COLUMN = "id";

public static final String PACKAGE\_APP\_COLUMN = "package";

public static final String DATETIME\_COLUMN = "date\_time";

public static final String SPEND\_TIME\_COLUMN = "spend\_time";

private static DatabaseHelper instance;

private static final String QUERY\_CREATE\_APP\_TABLE = "CREATE TABLE "

+ APPLICATIONS\_TABLE + "(" + ID\_COLUMN + " INTEGER PRIMARY KEY AUTOINCREMENT, "

+ PACKAGE\_APP\_COLUMN + " TEXT, " + DATETIME\_COLUMN + " DATE,"

+ SPEND\_TIME\_COLUMN + " INTEGER)";

public static synchronized DatabaseHelper getInstance(Context context) {

if (instance == null)

instance = new DatabaseHelper(context);

return instance;

}

private DatabaseHelper(Context context) {

super(context, DATABASE\_NAME, null, DATABASE\_VERSION);

}

@Override

public void onCreate(SQLiteDatabase db) {

Log.d(TAG, "onCreate: Creating tables: " + QUERY\_CREATE\_APP\_TABLE);

db.execSQL(QUERY\_CREATE\_APP\_TABLE);

}

@Override

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

Log.d(TAG, "onUpgrade: The database is upgraded to a new version." +

" Old version = " + oldVersion + ", new version = " + newVersion);

db.execSQL("DROP TABLE IF EXISTS " + APPLICATIONS\_TABLE);

onCreate(db);

}

}