SUMMARY – WINDOWS XP

(1) Check for Operating System and Version-> CMD (DOS Terminal)

(2) Check for GCC Compiler -> Minimalist GNU for Windows (MinGW) gcc 3.4.2

(3) Check for Perl -> perl, v5.8.4

(4) Check for PHP -> PHP, 5.0.0

(5) Check for PostgreSQL database - Postgresql 8.1.2

(6) Check for DevC++ IDE Application -> Dev C++ Ver 4.9.9.2
C:\WINDOWS>date
The current date is: Sun 01/22/2006
Enter the new date: (mm-dd-yy)

C:\WINDOWS>time
The current time is: 23:58:22.89
Enter the new time:

C:\WINDOWS>path
PATH=C:\perl\bin;C:\php;C:\MinGW\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\Rational\common

(1) Check for Operating System -> CMD (DOS Terminal)

Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

(2) Check for GCC Compiler -> Minimalist GNU for Windows (MinGW)

C:\WINDOWS>g++ -v
Reading specs from C:/MinGW/bin/../lib/gcc/mingw32/3.4.2/specs
Thread model: win32
gcc version 3.4.2 (mingw-special)

C:\WINDOWS>c++ -v
Reading specs from C:/MinGW/bin/../lib/gcc/mingw32/3.4.2/specs
Thread model: win32
gcc version 3.4.2 (mingw-special)
(3) Check for Perl -> perl, v5.8.4

C:\WINDOWS>perl -v

This is perl, v5.8.4 built for MSWin32-x86-multi-thread
(with 3 registered patches, see perl -V for more detail)

Copyright 1987-2004, Larry Wall

Binary build 810 provided by ActiveState Corp. http://www.ActiveState.com
ActiveState is a division of Sophos.
Built Jun 1 2004 11:52:21

Perl may be copied only under the terms of either the Artistic License or the
GNU General Public License, which may be found in the Perl 5 source kit.

Complete documentation for Perl, including FAQ lists, should be found on
this system using `man perl' or `perldoc perl'. If you have access to the
Internet, point your browser at http://www.perl.com/, the Perl Home Page.

(4) Check for PHP -> PHP, 5.0.0

C:\WINDOWS>php -v
PHP 5.0.0 (cli) (built: Jul 13 2004 21:39:58)
Copyright (c) 1997-2004 The PHP Group
Zend Engine v2.0.0, Copyright (c) 1998-2004 Zend Technologies

C:\WINDOWS>
(5) Check for PostgreSQL database -> Postgres 8.1.2

Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\WINDOWS>net.exe start pgsql-8.1
The requested service has already been started.

More help is available by typing NET HELPMSG 2182.

C:\WINDOWS>net.exe stop pgsql-8.1
The PostgreSQL Database Server 8.1 service is stopping.
The PostgreSQL Database Server 8.1 service was stopped successfully.

C:\WINDOWS>net.exe start pgsql-8.1
The PostgreSQL Database Server 8.1 service is starting.
The PostgreSQL Database Server 8.1 service was started successfully.

C:\WINDOWS>

C:\Program Files\PostgreSQL\8.1\bin> psql -p 5432 -U postgres
Password for user postgres:
Welcome to psql 8.1.2, the PostgreSQL interactive terminal.

Type: \copyright for distribution terms
    \h for help with SQL commands
    \? for help with psql commands
    \g or terminate with semicolon to execute query
    \q to quit

Warning: Console code page (437) differs from Windows code page (1252)
  8-bit characters may not work correctly. See psql reference
  page "Notes for Windows users" for details.

postgres=# \l
List of databases
  Name    |  Owner   | Encoding
---------+----------+-----------
postgres | postgres | SQL_ASCII
template0 | postgres | SQL_ASCII
template1 | postgres | SQL_ASCII
(3 rows)

postgres=# \h
Available help:
  ABORT    CREATE LANGUAGE    DROP VIEW
  ALTER AGGREGATE CREATE OPERATOR CLASS END
  ALTER CONVERSION CREATE OPERATOR EXECUTE
  ALTER DATABASE CREATE ROLE EXPLAIN
  ALTER DOMAIN CREATE RULE FETCH
  ALTER FUNCTION CREATE SCHEMA GRANT
  ALTER GROUP CREATE SEQUENCE INSERT
  ALTER INDEX CREATE TABLE AS LISTEN
  ALTER LANGUAGE CREATE TABLE AS LOAD
ALTER OPERATOR CLASS  CREATE TABLESPACE  LOCK
ALTER OPERATOR  CREATE TRIGGER  MOVE
ALTER ROLE  CREATE TYPE  NOTIFY
ALTER SCHEMA  CREATE USER  PREPARE
ALTER SEQUENCE  CREATE VIEW  PREPARE TRANSACTION
ALTER TABLE  DEALLOCATE  REINDEX
ALTER TABLESPACE  DECLARE  RELEASE SAVEPOINT
ALTER TRIGGER  DELETE  RESET
ALTER TYPE  DROP AGGREGATE  REVOKE
ALTER USER  DROP CAST  ROLLBACK
ANALYZE  DROP CONVERSION  ROLLBACK PREPARED
BEGIN  DROP DATABASE  ROLLBACK TO SAVEPOINT
CHECKPOINT  DROP DOMAIN  SAVEPOINT
CLOSE  DROP FUNCTION  SET
CLUSTER  DROP GROUP  SET INTO
COMMENT  DROP INDEX  CREATE AGGREGATE  DROP ROLE  SET TRANSACTION
COPY  DROP RULE  SHOW
CREATE AGGREGATE  DROP SCHEMA  START TRANSACTION
CREATE CAST  DROP SEQUENCE  TRUNCATE
CREATE DATABASE  DROP TABLE  UNLISTEN
CREATE DOMAIN  DROP TABLESPACE  UPDATE
CREATE FUNCTION  DROP TRIGGER  VACUUM
CREATE GROUP  DROP TYPE
CREATE INDEX  DROP USER

postgres=#
postgres=# \h create role
Command:     CREATE ROLE
Description: define a new database role
Syntax:
CREATE ROLE name [ [ WITH ] option [ ... ] ]

where option can be:
  SUPERUSER | NOSUPERUSER
  | CREATEDB | NOCREATEDB
  | CREATEROLE | NOCREATEROLE
  | CREATEUSER | NOCREATEUSER
  | INHERIT | NOINHERIT
  | LOGIN | NOLOGIN
  | CONNECTION LIMIT connlimit
  | [ [ ENCRYPTED | UNENCRYPTED ] PASSWORD 'password'
  | VALID UNTIL 'timestamp'
  | IN ROLE rolename [, ...]
  | IN GROUP rolename [, ...]
  | ROLE rolename [, ...]
  | ADMIN rolename [, ...]
  | USER rolename [, ...]
  | SYSID uid

postgres=# create role tcs2411 with  createdb createuser login;
CREATE ROLE
postgres=#
postgres=# \du

List of roles
<table>
<thead>
<tr>
<th>Role name</th>
<th>Superuser</th>
<th>Create role</th>
<th>Create DB</th>
<th>Connections</th>
<th>Member of</th>
</tr>
</thead>
<tbody>
<tr>
<td>postgres</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>no limit</td>
<td></td>
</tr>
<tr>
<td>tcs2411</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
<td>no limit</td>
<td></td>
</tr>
</tbody>
</table>

(2 rows)

postgres=# \h create database
Command:  CREATE DATABASE
Description: create a new database
Syntax:
CREATE DATABASE name
           [[ WITH ] [ OWNER [=] dbowner ]
           [ TEMPLATE [=] template ]
           [ ENCODING [=] encoding ]
           [ TABLESPACE [=] tablespace ]
           [ CONNECTION LIMIT [=] connlimit ] ]

postgres=# create database db_tcs2411 with owner=tcs2411 template=template1;
CREATE DATABASE

postgres=# \l

List of databases
<table>
<thead>
<tr>
<th>Name</th>
<th>Owner</th>
<th>Encoding</th>
</tr>
</thead>
<tbody>
<tr>
<td>db_tcs2411</td>
<td>tcs2411</td>
<td>SQL_ASCII</td>
</tr>
<tr>
<td>postgres</td>
<td>postgres</td>
<td>SQL_ASCII</td>
</tr>
<tr>
<td>template0</td>
<td>postgres</td>
<td>SQL_ASCII</td>
</tr>
<tr>
<td>template1</td>
<td>postgres</td>
<td>SQL_ASCII</td>
</tr>
</tbody>
</table>

(4 rows)

postgres=# \c db_tcs2411
You are now connected to database "db_tcs2411".

db_tcs2411=# create table students (   db_tcs2411(# nokp8               varchar(8) null,
    db_tcs2411(# nokp12              varchar(12) null,
    db_tcs2411(# mmu_id              varchar(10) not null,
    db_tcs2411(# name                varchar(60) not null,
    db_tcs2411(# gender              char(1),
    db_tcs2411(# date_changed        date,
    db_tcs2411(# time_changed        time with time zone)
    db_tcs2411(# );
CREATE TABLE
db_tcs2411=# insert into students (mmu_id,name,gender,date_changed) values ('1001042241','WRUSLAN','M','2006-01-22');
INSERT 0 1
db_tcs2411=# insert into students (mmu_id,name,gender,date_changed) values ('1001042241','NUR AZZYATI','F','2006-01-23');
INSERT 0 1
db_tcs2411=# \dt

List of relations
<table>
<thead>
<tr>
<th>Schema</th>
<th>Name</th>
<th>Type</th>
<th>Owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>public</td>
<td>geometry_columns</td>
<td>table</td>
<td>postgres</td>
</tr>
<tr>
<td>public</td>
<td>pg_ts_cfg</td>
<td>table</td>
<td>postgres</td>
</tr>
<tr>
<td>public</td>
<td>pg_ts_cfgmap</td>
<td>table</td>
<td>postgres</td>
</tr>
</tbody>
</table>
public | pg_ts_dict | table | postgres
public | pg_ts_parser | table | postgres
public | spatial_ref_sys | table | postgres
public | students | table | postgres

(7 rows)

db_tcs2411=# select * from students;
nokp8 | nokp12 | mmu_id | name | gender | date_changed | time_changed
-------+--------+--------+------|--------+--------------+-------------
--
| 1001042241 | WRUSLAN | M | 2006-01-22 |
| 1001042241 | NUR AZYATI | F | 2006-01-23 |

(2 rows)

db_tcs2411=# \q
Menu -> Help -> About
(6) Check for DevC++ IDE Application -> Dev C++ Ver 4.9.9.2