

The background is a light blue gradient with several realistic water droplets of various sizes scattered across the surface. The droplets have highlights and shadows, giving them a three-dimensional appearance.

# IBM i GEMS

for your IBM i system

April 2020

## Root file system large file found notification (PTF image reminders & dumps)

```
#!/usr/bin/qsh
## Notify big root files > 1 gb
## usage: /IBMi/root_big_file_notify.sh
## mods
echo "---$0---`date '+%y-%m-%d %h:%m:%s'`---beg---"
# find files > 1gb (1073741824)
find / -xdev -size +`echo 1024*1024*1024 | bc`c > /IBMi/largeifs.txt
# read file
while read -r ifsname
do
    echo " ifs>1gb: $ifsname"
    cmd=`echo "sndmsg msg('ifs>1gb: $ifsname') tousr(qsysopr)"`
    #echo $cmd
    system "$cmd"
    system "qsys/sndsmtpepm rcp(('ibmisupport@your_co.com')) subject('ifs > 1gb: $ifsname') note('ifs > 1gb: $ifsname')"
done < /IBMi/largeifs.txt
echo "---$0---`date '+%y-%m-%d %h:%m:%s'`---end---"
```

# SQL column wild card with result set count

```
select f.*, count(*) over()  
from library.file as f  
where column like 'a%';
```

# DB2 SQL CREATE OR REPLACE CLAUSE

**Create table -> Create or replace table (or other object)**

**Preserves privileges**

**Warns if possible data loss (data type, smaller column, etc.)**

# DB2 SQL JULIAN TO DATE TYPE

**Convert Julian YYYYddd (ddd=day of year)**

```
Select date(char(col_julian))
```

```
From older_lib.jul_table;
```

# RUNNING PHP SCRIPT WITHOUT WEB SERVER

**Start your shell of choice, example below demonstrates QShell use**

**QShell and php7 installed: 5770SS1 Option 30 Qshell & 7PHPZND \*base**

**====> qsh**

**====> /usr/local/zendphp7/bin/php-cli /rootdirectory/myphpscript.php**

**<command line interface> <your php script>**

# SEARCH ROOT FILE SYSTEM (FIND STRING IN FILES)

**Start your shell of choice, example below demonstrates QSHELL use**

**QSHELL installed: 5770SS1 Option 30 Qshell**

**====> qsh**

**====>cd /dir1/dir2**

**====>grep -i get \*.csv**

**(-i = ignore case) (get=text to find) (\*.csv = file types to search)**

# SQL CONCATENATE COLUMNS

**From STRSQL or ACS Run SQL scripts (example below)**

```
select concat(column1, column2) from library.file ;
```

**Or**

```
select column1 || column2 from library.file ;
```