**CSCI 360 3. Viewing Results in SDSF**

To review output in the output queue in SDSF on TSO/ISPF at Marist, enter SD (for SDSF) from the ISPF Primary Option Menu command line. From the SDSF Primary Option Menu enter ST for status on the command line.  This will display the queue of completed jobs, both successful and unsuccessful.

Note that the first time the user comes to this screen, he or she will need to enter OWNER KC03nnn and press enter (KC03nnn represents the user's KC-ID).  This will then only the user's jobs in the queue.

Be sure not to let these completed jobs pile up. To get rid of jobs in the queue, put a P on the line in the margin just to the left of the job to be purged and press enter.  A P can be entered on multiple jobs at once but the user may have to press enter a few times to get the jobs to roll off.

By the way, the user can enter SD.ST from the ISPF Primary Option Menu to go directly to the status queue.  If somewhere else within TSO, the user can enter =SD.ST to go directly to the status queue. For example, if editing a PDS member and it has been saved, the user can submit his or her job by typing SUB on the command line. A red message will pop up if a successful submission has been made. Press enter again and then enter =SD.ST and press enter to go to the SDSF Status queue to see the results of the recently submitted job.

Once in SDSF status queue, select the job to be reviewed in the queue by typing a letter S in the margin just to the left of the job. It is important to review at least the first few 'pages' of output.  For example, about 8-9 lines down from the top of the job in the queue for Assignment 0 will be similar to the following:

11.22.38 JOB01444 -STEPNAME   PROCSTEP    RC   EXCP   CONN  TCB  SRB

11.22.38 JOB01444 -JSTEP01                00      7     1  .00  .00

Notice that there is a line with the stepname (JSTEP01 in this example) and, to the right, there is a RC (return code) of 00.  This is a good sign meaning that that step of your job completed successfully.   
   
Scrolling a little further, you will find the following:

IEF142I KC02322A JSTEP01 - STEP WAS EXECUTED - COND CODE 0000

This is another place to check to be sure that the COND CODE (condition code) of each step is 0000 which indicates the step completed successfully.  Of course, there might still be a logic error of some sort but at least that step ran to a successful conclusion.

To submit a file for grading, use mar\_ftp.exe to get the file down to your laptop or PC.  It is recommended that the user first download the most recent version of mar\_ftp.exe from the Computer Science Department's website.  Put the mar\_ftp.exe file in a folder of its own perhaps in the My Documents/Documents library.  Downloaded files from the queue automatically download into the same folder from which mar\_ftp.exe is running.

Note that mar\_ftp.exe will download two files, one is a .txt file and one is not.  Be sure to open the .txt file and review it carefully from top to bottom before submitting it.  Make sure that nothing is truncated -- especially at the bottom of the file -- and all of the output expected is there.  Submitting a truncated file will earn a 0 so it is very important to be sure it is all there!

Also be sure to keep copies of all of the .txt files that are submitted for assignments.

SDSF Facts

* You can use SDSF (System Display and Search Facility) to monitor a job’s progress and output. SDSF is a separately licensed product, so check whether it’s available on your system.
* To display any of the panels listed on the SDSF Primary Option Menu, enter the appropriate option in the command area and press Enter.
* The *input queue* contains jobs that are waiting for execution and jobs that are currently executing.
* The *output queue* contains jobs that have completed execution and are waiting to be printed.
* The *held output queue* contains jobs that have completed execution and are being held or are assigned to a held output class.
* The status panel displays information from all of the queues.

**Action Characters Used in SDSF Status**

**Character Function**

? Displays a list of the output data sets for a job.

S Displays one or more output data sets.

H Holds a job.

A Releases a held job.

O Releases held output and makes it available for printing.

C Cancels a job.

P Purges a job and its output.

**Action Characters Used in the SDSF Held Output Queue**

**Character Function**

? Displays a list of the output data sets for a job.

S Displays one or more output data sets.

O Releases output and makes it available for printing.

P Purges output data sets.