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| **NAME: Meet Raut**  **DIV: S21**  **ROLL.NO: 2201084**   * **Experiment 2:** * **AIM: To study the shell scripting language**   **A display OS version release number kernel version**  **B display top 10 processors in descending order**  **C display processes with highest memory usage**  **D display c+**   * **THEORY:**   **A]**  i) uname - r{username}  To show the OS version, release no. OS release version  ii) uname - v  Shows Kernel version (last when launched)  iii) uname - a  Shows all the details including OS used, PC and other details.  us - c + u - r → us - a  **B]**  i) ps-aux (i) sort : nk +41 tail  Sorts 10 processes in descending order. It shows logged in users, modes of memory & storage.  OR  ii) ps-aux | tail  Same as above  OR  iii) ps-aux | sort -nl+4 | tail - n15 (shows top 15 processes)  same with 15  **C]**  i) sudo apt install htop  shows date of processes with highest memory  ii) ps - eo pid, ppid, cmd, % mem, % cpu –sort =-% mem | head  same as above same as above  **D]**  i) ps-p$$  Shows process ID and current shell  ii) echo display home directory  echo $ home  To display home directory   * **SCREENSHOTS:**                * **CONCLUSION: Thus, we have successfully studied and implemented shell scripting.** |