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PROGRAM:-

```
ps auxx | sort -nrk 3 | head | awk '{print
    $0" "$3
    "$11">psout
cat psout
read -p "Enter threshold level" th
while IFS = read line
do
    pno = $(echo $line | awk '{print $1}')
    cpuload = $(echo $line | awk '{print $0}')
    if (( $(echo "$cpuload > $th" | bc -l) ))
    then kill $pno
    fi
done < "psout"
```

RESULT:-

Program was executed successfully & output was verified.

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2.1) Check if file exist (if [-f \$1])
2.1.1) print "exist"
2.1.2) check if username exists
2.1.2.1) print "username exist"
2.1.2) else
2.1.2.1) print username to \$1
2.1.4) end if.
2.1.5) else
2.1.5.1) print "file does not exist"
2.2) else
2.2.1) print "enter valid nos of argument"
2.3) endif.
3) END STOP.

PROGRAM:-

```
if [ $# -eq 2 ]  
then  
  if [ -f $1 ]  
  then  
    echo "file exist"  
    if grep -WEi "$2" $1  
    then  
      echo "username exist"  
    else  
      echo "$2 >> $1"  
    fi  
  else  
    echo "file does not exist"  
  fi  
else  
  echo "enter valid nos of argument"  
fi
```

else

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```
fi echo "file does not exist"
else
fi echo "Enter valid no. of argument"
```

RESULT:-

Program was executed successfully and
Output was verified.