NEW YORK CITY COLLEGE OF TECHNOLOGY

THE CITY UNIVERSITY OF NEW YORK

Department of Computer Engineering Technology

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LAB REPORT
EMT 2390L – OL76

(OPERATING SYSTEM LABORATORY)

LAB #5

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Date: 3/9/21

<u>Nested If statement Script of Grades</u>

```bash
#!/bin/bash

echo "Enter the grade:"
read number
echo
if [ $(echo "$number < 97.5"| bc) -eq 1 ]
then
  if [ $(echo "$number < 92.5"| bc) -eq 1 ]
  then
    if [ $(echo "$number < 90.0"| bc) -eq 1 ]
    then
      if [ $(echo "$number < 87.5"| bc) -eq 1 ]
      then
        if [ $(echo "$number < 82.5"| bc) -eq 1 ]
        then
          if [ $(echo "$number < 80.0"| bc) -eq 1 ]
          then
            if [ $(echo "$number < 77.5"| bc) -eq 1 ]
            then
              if [ $(echo "$number < 72.5"| bc) -eq 1 ]
              then
                if [ $(echo "$number < 70.0"| bc) -eq 1 ]
                then
                  if [ $(echo "$number < 67.5"| bc) -eq 1 ]
                  then
                    if [ $(echo "$number < 62.5"| bc) -eq 1 ]
                    then
                      if [ $(echo "$number < 60.0"| bc) -eq 1 ]
                      then
                        echo "F"
                      else
                        echo "D-"
                      fi
                    else
                      echo "D"
                    fi
                  else
                    echo "D+"
                  fi
                else
                  echo "C-"
                fi
              else
                echo "C"
              fi
            else
              echo "C+"
            fi
          else
```

```
                    fi
                else
                    echo "B-"
                fi
            else
                echo "B"
            fi
        else
            echo "B+"
        fi
    else
        echo "A-"
    fi
  else
      echo "A"
  fi
else
  echo "A+"
fi
```

```
pujaroy@DESKTOP-U16R768:~$ vi lab5
pujaroy@DESKTOP-U16R768:~$ ./ lab5
-bash: ./: Is a directory
pujaroy@DESKTOP-U16R768:~$ ls -l
total 20
-rwxr-xr-x 1 pujaroy pujaroy  330 Mar  6 11:25 Decision
-rwxr-xr-x 1 pujaroy pujaroy 1601 Feb 20 21:54 File
drwxr-xr-x 1 pujaroy pujaroy  512 Feb  6 11:04 Roy
-rwxr-xr-x 1 pujaroy pujaroy   88 Feb 20 10:28 firstscript
-rwxr-xr-x 1 pujaroy pujaroy  303 Mar  6 10:00 functscript
-rwxr-xr-x 1 pujaroy pujaroy  384 Feb 27 02:31 lab4
-rw-r--r-- 1 pujaroy pujaroy 1529 Mar  9 15:40 lab5
-rw-r--r-- 1 pujaroy pujaroy 8891 Feb 13 18:43 ls.txt
pujaroy@DESKTOP-U16R768:~$ ./lab5
-bash: ./lab5: Permission denied
pujaroy@DESKTOP-U16R768:~$ chmod ugo+x lab5
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
100

A+
pujaroy@DESKTOP-U16R768:~$ 94
94: command not found
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
94

A
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
79

C+
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
90

A-
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
77

C
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
88

B+
pujaroy@DESKTOP-U16R768:~$
```

```
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
100

A+
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
94

A
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
79

C+
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
87.5

B+
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
77.5

C+
pujaroy@DESKTOP-U16R768:~$ ./lab5
Enter the grade:
60

D-
pujaroy@DESKTOP-U16R768:~$
```