

NAME – KAUSHAL OZA ROLL – 40, DIV – A SRN – 201900754

OS ASSIGNMENT – 3

code:

awk

BEGIN{

FS="|"

print "Name\t\t\tSRN\t\tOS\tSP\tCN\tPM\tWT\tOVR"

}

FNR>0{

if(\$3>90){ grade1="O" }

else if(\$3>80){ grade1="A+" }

else if(\$3>70){ grade1="A" }

else if(\$3>60){ grade1="B+" }

else if(\$3>50){ grade1="B" }

else if(\$3>40){ grade1="P" }

else{grade1="F"}

if(\$4>90){ grade2="O" }

else if(\$4>80){ grade2="A+" }

else if(\$4>70){ grade2="A" }

else if(\$4>60){ grade2="B+" }

else if(\$4>50){ grade2="B" }

else if(\$4>40){ grade2="P" }

else{grade2="F"}

if(\$5>90){ grade3="O" }

else if(\$5>80){ grade3="A+" }

else if(\$5>70){ grade3="A" }

else if(\$5>60){ grade3="B+" }

else if(\$5>50){ grade3="B" }

else if(\$5>40){ grade3="P" }

else{grade3="F"}

```

if($6>90){ grade4="O" }
else if($6>80){ grade4="A+" }
else if($6>70){ grade4="A" }
else if($6>60){ grade4="B+" }
else if($6>50){ grade4="B" }
else if($6>40){ grade4="P"}
else{grade4="F"}

```

```

if($7>90){ grade5="O" }
else if($7>80){ grade5="A+" }
else if($7>70){ grade5="A" }
else if($7>60){ grade5="B+" }
else if($7>50){ grade5="B" }
else if($7>40){ grade5="P"}
else{grade5="F"}

```

```

ovr=($3+$4+$5+$6+$7)/5
if(ovr>90){ grade6="O" }
else if(ovr>80){ grade6="A+" }
else if(ovr>70){ grade6="A" }
else if(ovr>60){ grade6="B+" }
else if(ovr>50){ grade6="B" }
else if(ovr>40){ grade6="P"}
else{grade6="F"}

if(grade1=="F" || grade2=="F" || grade3=="F" || grade4=="F" || grade5=="F"){grade6="F"}

print
$1,"\\t",$2,"\\t\\t",grade1,"\\t",grade2,"\\t",grade3,"\\t",grade4,"\\t",grade5,"\\t",grade6
}

```

Output:-

```
Activities Terminal Sep 15 17:47 kau_shal_09@Kaushal-VirtualBox: ~
awk: cannot open kaushal.txt (No such file or directory)
kau_shal_09@Kaushal-VirtualBox:~$ awk -f kaushal.awk kaushal.txt^C
kau_shal_09@Kaushal-VirtualBox:~$ ^C
kau_shal_09@Kaushal-VirtualBox:~$ awk -f kaushal.awk kaushal.txt

The name of Student: Kaushal
The SRN: 201900211

The marks of subj5 are 78 and grade is A
The marks of subj2 are 65 and grade is B+
The marks of subj1 are 60 and grade is B+
The marks of subj4 are 44 and grade is C
The marks of subj3 are 89 and grade is A+
The average marks: 67.2
Final Grade: B+

The name of Student: Mushak
The SRN: 2019007271

The marks of subj5 are 77 and grade is A
The marks of subj2 are 52 and grade is B
The marks of subj1 are 65 and grade is B+
The marks of subj4 are 94 and grade is O
The marks of subj3 are 84 and grade is A+
The average marks: 74.4
Final Grade: A

The name of Student: Rohit
The SRN: 201900545

The marks of subj5 are 83 and grade is A+
The marks of subj2 are 91 and grade is O
The marks of subj1 are 74 and grade is A
The marks of subj4 are 56 and grade is B
The marks of subj3 are 67 and grade is B+
The average marks: 74.2
```

```
Activities Terminal Sep 15 17:47 kau_shal_09@Kaushal-VirtualBox: ~
Final Grade: A

The name of Student: Rohit
The SRN: 201900545

The marks of subj5 are 83 and grade is A+
The marks of subj2 are 91 and grade is O
The marks of subj1 are 74 and grade is A
The marks of subj4 are 56 and grade is B
The marks of subj3 are 67 and grade is B+
The average marks: 74.2
Final Grade: A

The name of Student: Sketchers
The SRN: 201901341

The marks of subj5 are 81 and grade is A+
The marks of subj2 are 76 and grade is A
The marks of subj1 are 71 and grade is A
The marks of subj4 are 87 and grade is A+
The marks of subj3 are 98 and grade is O
The average marks: 82.6
Final Grade: A+

The name of Student: Sahil
The SRN: 201901261

The marks of subj5 are 90 and grade is O
The marks of subj2 are 87 and grade is A+
The marks of subj1 are 67 and grade is B+
The marks of subj4 are 76 and grade is A
The marks of subj3 are 56 and grade is B
The average marks: 75.2
Final Grade: A
kau_shal_09@Kaushal-VirtualBox:~$
```