AWK SCRIPT

4.A.) EMPLOYEE AVERAGE PAY

```
eshwaranm@fedora:~/OS-Manual$ cat emp.dat
John 1000 7
Alice 1200 5
Bob 800 4
David 900 6
Eve 700 5
eshwaranm@fedora:~/OS-Manual$ cat > emp.awk << 'EOF'
> {
    salary = $2 * $3;
    if (salary > 6000 && $3 > 4) {
        print $1, "earned", salary;
        count++;
        totalPay += salary;
    }
}

END {
    if (count > 0) {
        avg = totalPay / count;
        print "----------------------------";
        print "Total employees:", count;
        print "Average pay:", avg;
    } else {
        print "No employees match the criteria.";
    }
}
EOF
eshwaranm@fedora:~/OS-Manual$ awk -f emp.awk emp.dat
John earned 7000
----------------------------
Total employees: 1
Average pay: 7000
eshwaranm@fedora:~/OS-Manual$
```

4.B.) RESULTS OF EXAMINATION

```
eshwaranm@fedora:~/OS-Manual$ cat > students.dat <<EOF
Alice 78 88 91
Bob 45 67 32
Charlie 49 45 59
David 90 92 85
Eve 35 55 60
EOF
eshwaranm@fedora:~/OS-Manual$ cat > status.awk <<'EOF'
{
    name = $1
    pass = 1
    for (i = 2; i <= NF; i++) {
        if ($i < 45) {
            pass = 0
            break
        }
    }

    if (pass == 1)
        print name ": Pass"
    else
        print name ": Fail"
}
EOF
eshwaranm@fedora:~/OS-Manual$ awk -f status.awk students.dat
Alice: Pass
Bob: Fail
Charlie: Pass
David: Pass
Eve: Fail
eshwaranm@fedora:~/OS-Manual$
```