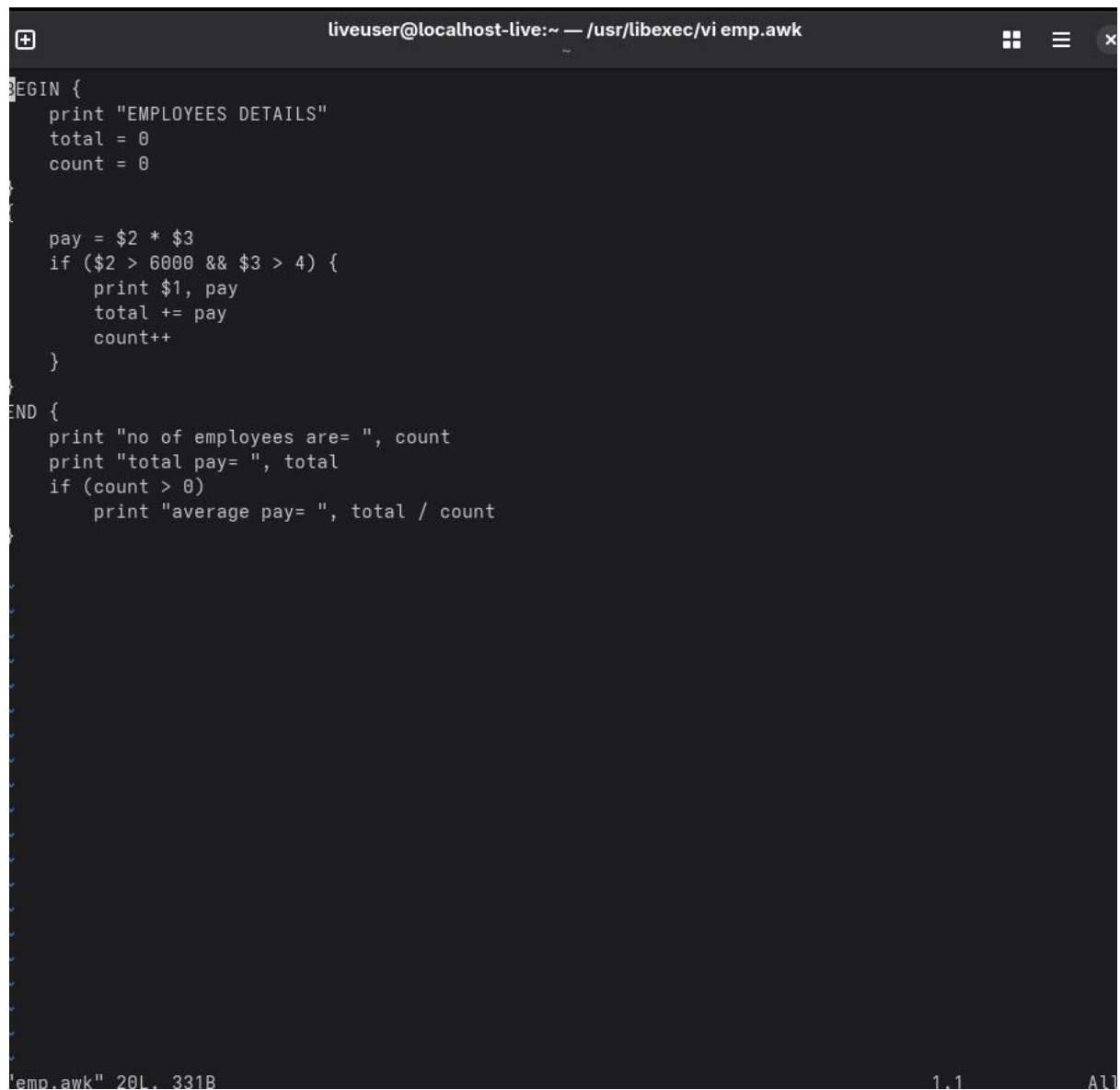


AWK

AADITYA P

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EMPLOYEE AVERAGE PAY



The image shows a terminal window with a dark background. The title bar at the top reads "liveuser@localhost-live:~ — /usr/libexec/vi emp.awk". The terminal content displays an AWK script. The script starts with "BEGIN {" followed by "print 'EMPLOYEES DETAILS'", "total = 0", and "count = 0". There is a blank line, then "pay = \$2 * \$3", followed by an if statement: "if (\$2 > 6000 && \$3 > 4) {" containing "print \$1, pay", "total += pay", and "count++". This is followed by a closing brace "}". Then another blank line, then "END {" followed by "print 'no of employees are= ', count", "print 'total pay= ', total", "if (count > 0)", and "print 'average pay= ', total / count". The left margin of the terminal shows a series of blue checkmarks. At the bottom left, it says "'emp.awk' 20L, 331B". At the bottom right, it shows "1.1" and "ATT".

```
BEGIN {
    print "EMPLOYEES DETAILS"
    total = 0
    count = 0

    pay = $2 * $3
    if ($2 > 6000 && $3 > 4) {
        print $1, pay
        total += pay
        count++
    }

END {
    print "no of employees are= ", count
    print "total pay= ", total
    if (count > 0)
        print "average pay= ", total / count
}
```

'emp.awk' 20L, 331B 1.1 ATT

```
liveuser@localhost-live:~  
liveuser@localhost-live:~$ vi emp.dat  
liveuser@localhost-live:~$ vi emp.awk  
liveuser@localhost-live:~$ gawk -f emp.awk emp.dat  
EMPLOYEES DETAILS  
JOE 40000  
BEN 49000  
AMY 39000  
no of employees are= 3  
total pay= 128000  
average pay= 42666.7  
liveuser@localhost-live:~$
```

RESULTS OF EXAMINATION

```
liveuser@localhost-live:~  
liveuser@localhost-live:~$ vi marks.dat  
liveuser@localhost-live:~$ vi marks.awk  
liveuser@localhost-live:~$ gawk -f marks.awk marks.dat  
NAME SUB-1 SUB-2 SUB-3 SUB-4 SUB-5 SUB-6 STATUS  
-----  
BEN 40 55 66 77 55 77 FAIL  
TOM 60 67 84 92 90 60 PASS  
RAM 90 95 84 87 56 70 PASS  
JIM 60 70 65 78 90 87 PASS  
      FAIL  
liveuser@localhost-live:~$
```