START

ASK "How many students?" → students

ASK "How many periods (1–5)?" → periods

WHILE periods < 1 OR periods > 5

ASK "Enter a number between 1 and 5" → periods

FOR each student from 1 to students

ASK "Enter student name" → name

SET count to 0, record to empty list

FOR each period from 1 to periods

ASK "P or A for [name] in period [period]?" → status

IF status is P, add 1 to count

ADD status to record

SET percent = (count / periods) \* 100

PRINT name, count, percent

IF percent < 75, PRINT "Warning: Low attendance"

WRITE report\_data to "attendance.txt"

PRINT "Data written to file"

END