Write a C program to simulate Real-Time CPU Scheduling algorithms:

- a) Rate- Monotonic
- b) Earliest-deadline First
- c) Proportional scheduling

Input:

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Output:

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Enter the number of tasks: 3
Enter the details of each task (id, period, deadline, computation time):
Task 1: 1
2
Task 2: 2
10
10
Task 3: 3
15
15
Rate-Monotonic Scheduling:
Task 1 scheduled
Task 2 scheduled
Task 3 scheduled
Earliest-Deadline First Scheduling:
Task 1 scheduled
Task 2 scheduled
Task 3 scheduled
Proportional Scheduling:
Task 1 gets 54.55% of CPU time
Task 2 gets 27.27% of CPU time
Task 3 gets 18.18% of CPU time
```