

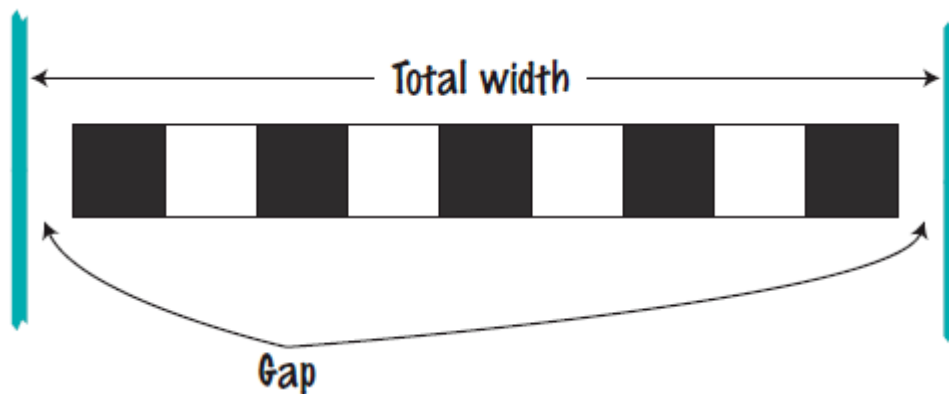
Procedural Programming Laboratory

Lab 2

Part 1

For this part of the lab you will write a program in C to solve the following problem:

1. A row of black and white tiles needs to be placed along a wall. For aesthetic reasons, the architect has specified that the first and last tile shall be black.
2. Your task is to compute the number of tiles needed and the gap at each end, given the user input of the total space available and the width of each tile.



You should submit your design, your code and a sample of the input and output in a single zip file to moddle.

Part 2

For this part of the lab you will write a program in C that calculates a student's result from a course.

Your code should read in three percentages representing their marks for assignment, a lab exam and a written exam. It should then calculate their overall result. The exam counts for 60% of the marks, the lab exam 10% and the assignment 30%. Finally it should display their overall mark as a percentage and the appropriate grade from the following table:

Mark Grade

70+ A
60-69 B
50-59 C
40-49 D
<40 E

You should submit your design, your code and a sample of the input and output in a single zip file to moddle.

Deadline: 5th October 2015 at 12noon