

Assignment-2

Each question carries 10 marks

- I. Write a c program that checks if the set of words in a string s represents a subset of the set of words in a second-string t. That is, the words of s are all contained in t, with t possibly containing additional words.

Test Case-1:

Input:

S = Call me back when you get a chance

t = Call me back immediately when you get a chance or opportunity

Output:

Yes, all the words of s present in t

Test Case-2:

Input:

S = Call me back when you get a chance

t = Call me immediately when you get the chance

Output:

No, all the words of s not present in t

1. A restaurant manager wants to know how many employees are needed at the restaurant each hour of the day. The minimum number of employees needed at any hour is 3. After that, one additional employee is required for each 20 customers. The restaurant is open 24 hours a day. The manager has counted the number of customers each hour for 14 days. The manager will use the average number of customers for each hour over the 14 days to calculate the needed number of employees for each hour. Write a C program to output the needed number of employees per hour. (There is no such thing as a partial employee.)