California State University, Monterey Bay

Week 2 – Lab
Stacks

Clarence Mitchell

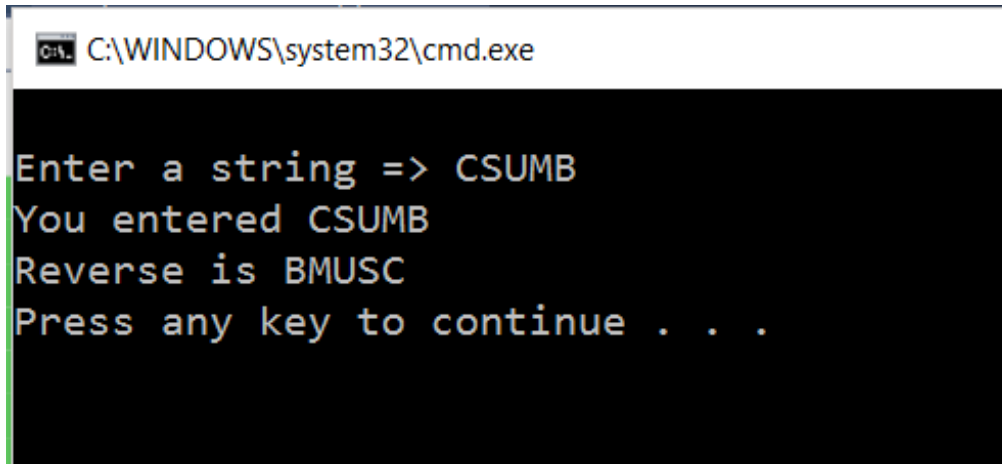*CST370*

Design and Analysis of Algorithms

Spring 2016

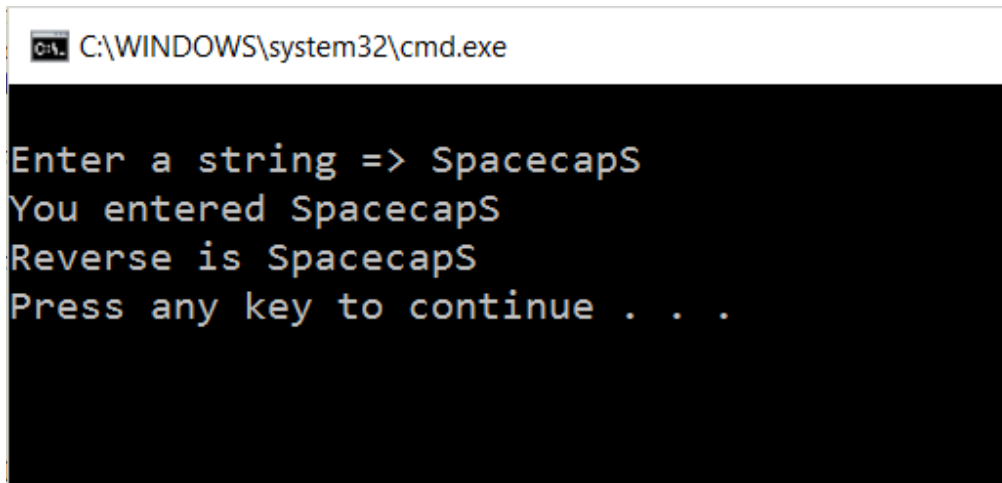*Instructor: Dr. Seetharam*

Exercise (a) Screen Shots

Test Run 1

Explanation:

A run was made using **CSUMB**, which was reversed to **BMUSC**.

Test Run 2
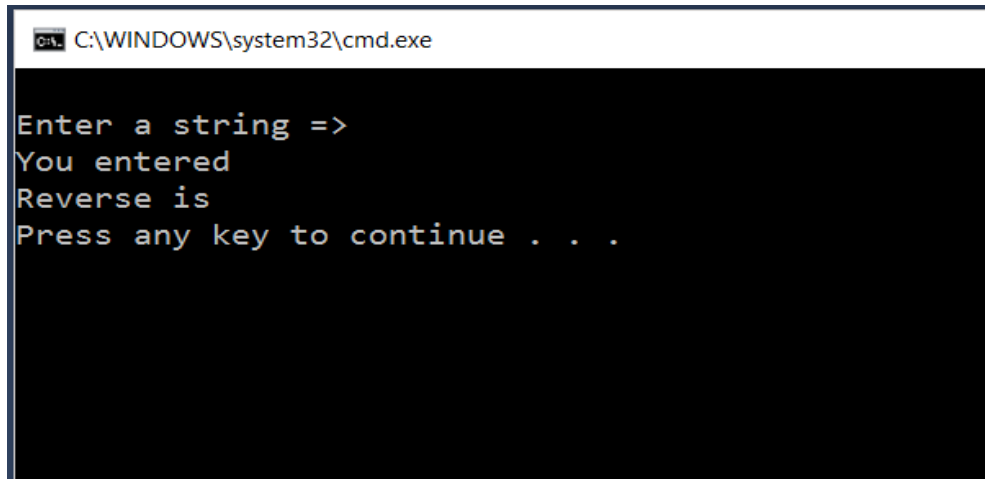
Explanation

A run was made using the palindrome **SpacecapS**, which was reversed to **SpacecapS**.
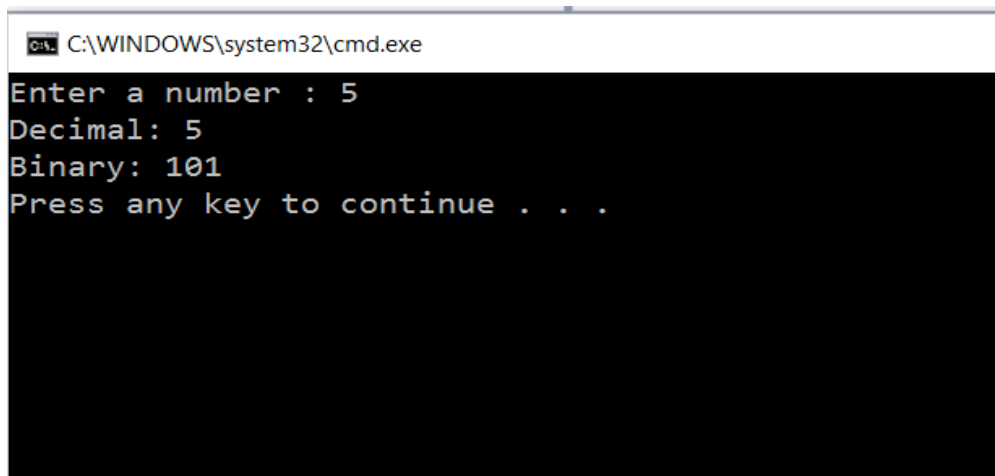
Test Run 3

Explanation

A run was made using the empty string, which was reversed to **nothing**.

Exercise (b) Screen Shots

Test Run 1

Explanation:
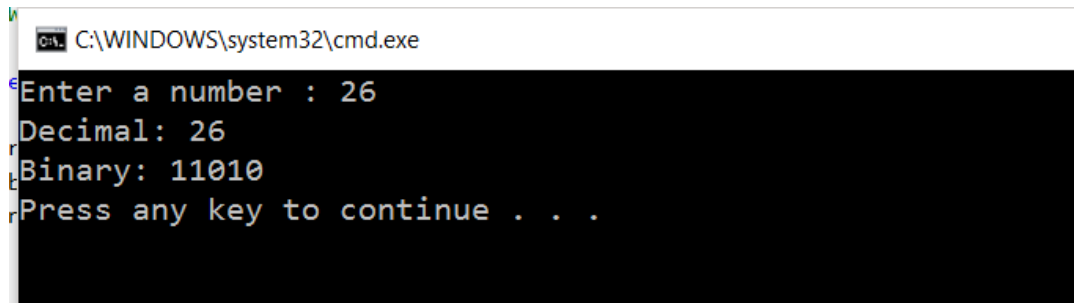
A run was made using the number **5**, which was convert to **101** in binary.

Test Run 2
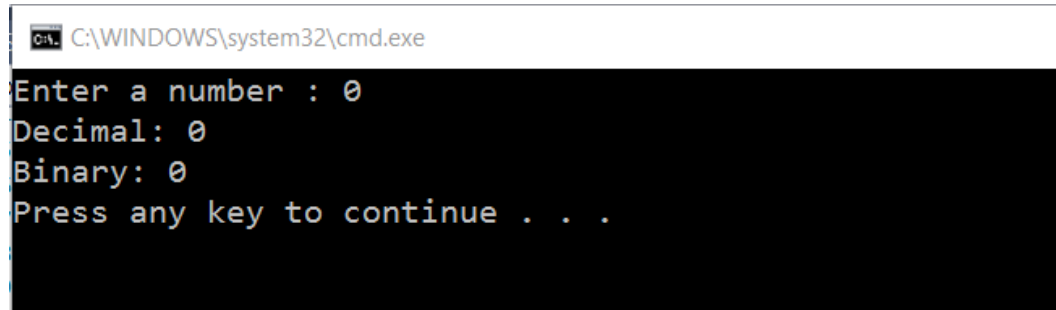
Explanation

A run was made using the number **26**, which was convert to **11010** in binary.

Test Run 3

Explanation

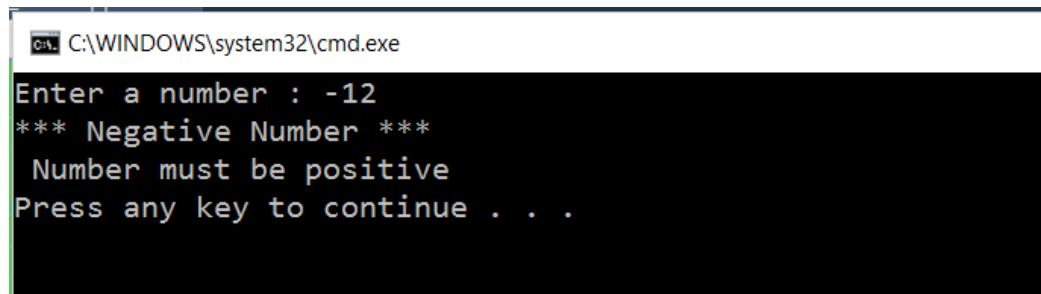A run was made using the number **0**, which was convert to **0** in binary.

Test Run 4

Explanation

A run was made using the number **-12**, and an **Error message** is displayed then the program is terminated.