Minor Project- Report April 2022-July 2022

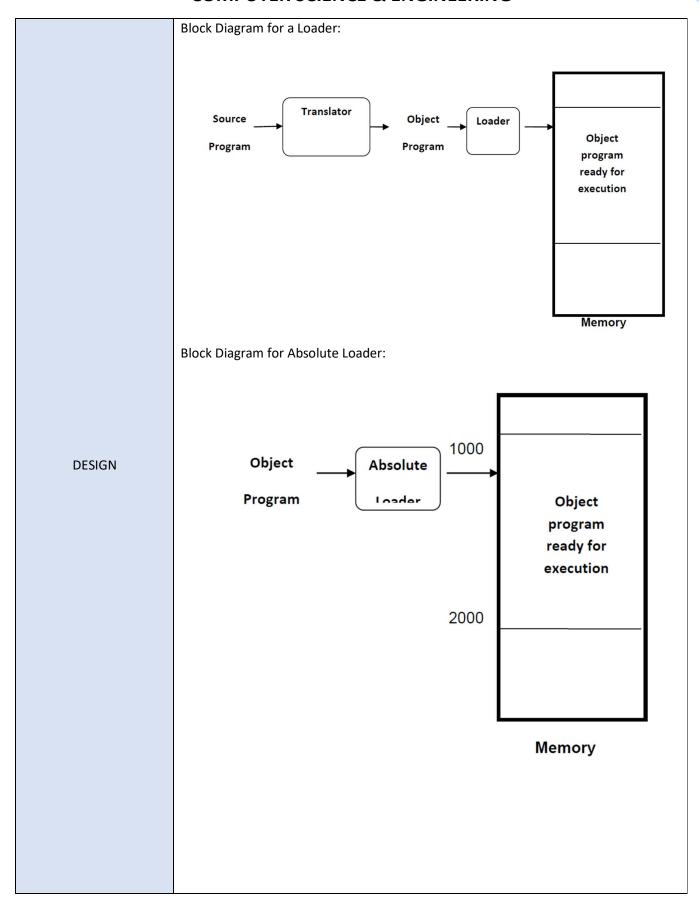
Course Faculty: Dr. Vindhya M

Course Name & code:
System Software 19CS6DLSSL

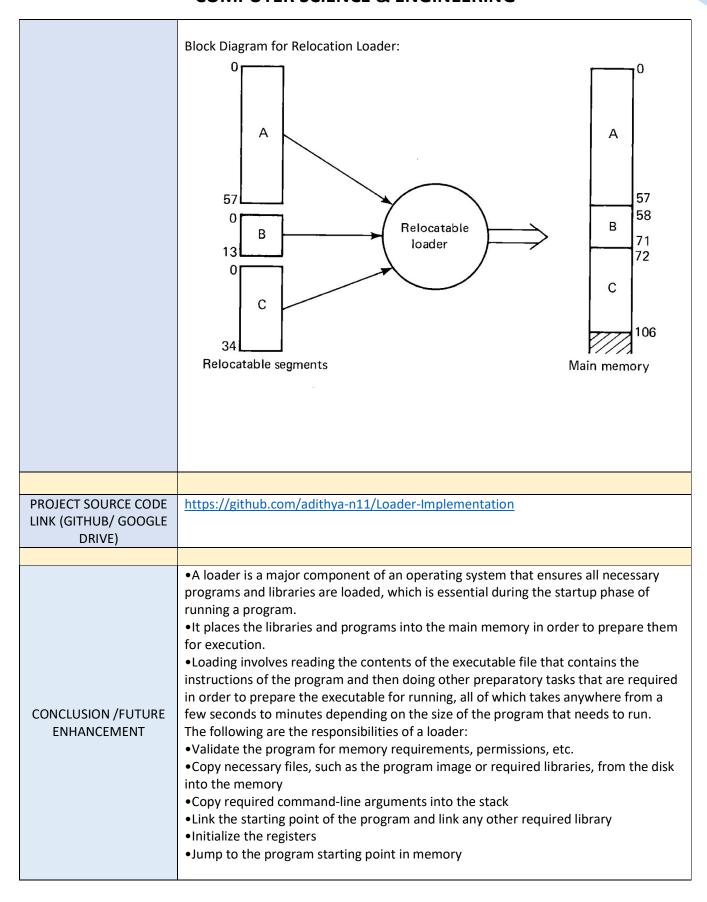
Semester: 6 Date: 20-06-2022

TITLE OF THE PROJECT	LOADER IMPLEMENTATION			
STUDENT NAME	ADITHYA N	ADITI A H	ADITYA RAJ	ADITYA SINGH
USN	1DS19CS009	1DS19CS010	1DS19CS011	1DS19CS012
INDIVIDUAL CONTRIBUTION	Relocation Loader implementation	Relocation Loader implementation	Absolute Loader implementation	Absolute Loader implementation
GUIDE	Dr. Vindhya M			
PROJECT ABSTRACT :	We have implemented the absolute and relocation loader in our project in C. The Algorithm for Absolute Loader: Begin Read Header record Verify program name and length Read first Text record While record type is <> 'E' do Begin If object code is in character form, convert into internal representation} Move object code to specified location in memory Read next object program record End Jump to address specified in End record End			

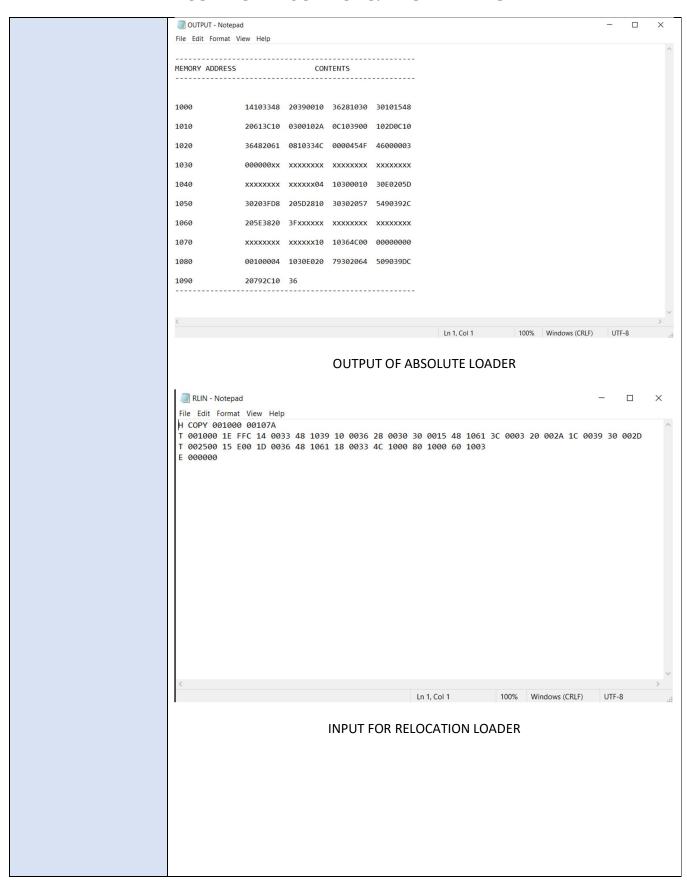
	 The Relocating Loader works on the basis of a relocation bit which specifies if modification is needed. Relocation bit is 0: no modification is necessary, and is 1: modification is needed. The Algorithm for Relocating Loader: Start the program execution. Enter the starting address location for relocating the object code. Transfer the input array into output array. Convert the current string array into binary form, where current string is relocating bit. Relocating bit is subjected to required changes before transferring input to output and also move object code Stop the program execution. 	
PLATFORM USED (H/W & S/W TOOLS TO BE USED	A Windows system and C program is executed in CodeBlocks IDE.	
INTRODUCTION	A loader is a system program that performs the loading function. It brings object program into memory and starts its execution. The different types of loaders are:	

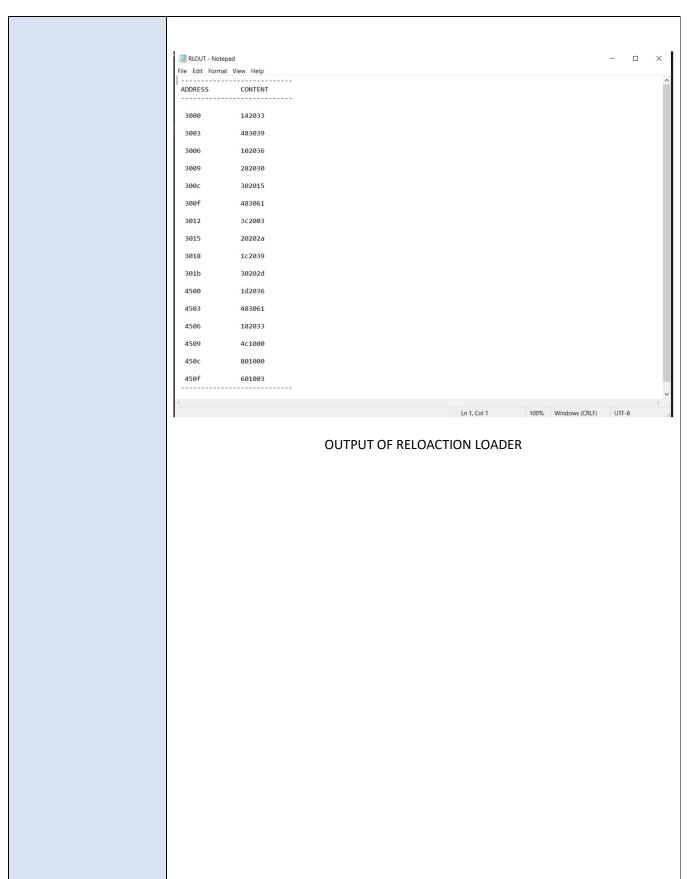


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