**ALGORITHM:**

1.Enter the location where the program has to be loaded

2.Assign the address got from the user as the first control section address

3.Read the header record of the control section A .From the details of the header read and store the control section length in a variable b. Enter the control section name with its address into the external symbol table

4.For each symbol in the subsequent ‘D’ records the symbol must be entered into the symbol table along with its address, added along with the corresponding control section until the END record is reached

5.Assign the starting address of next control section as the address of the current control section plus the length of the control section

6.Repeat the process from step 3 to 5 until there is no more records