

Compress exe files

In our project we are dealing with a project in which the aerospace industry is integrated, the goal is to compress * executable files with the help of algorithms that will be taught in the elective course "Data Compression" by Professor Dana Shapira

Executable file is a file that contains data translated into the program by the computer. Typically, the file includes a binary representation of machine commands for a particular processor

background:

Data compression is possible because in the original form of the data there is often a high redundancy, i.e. repetitive information or information that can be represented in a more economical way.

The basic principle in compression is that the information we use has a "certain order". Finding this arrangement allows us to represent the information in a more efficient way.

Compression enables high efficiency in operations such as transferring files over the Internet.

In our project we will use a variety of algorithms with which we will run txt files as well as exe files.

First of all, we will run the algorithms on txt files to "facilitate" in our choice of which algorithm is appropriate in that every result we get from the algorithm we keep within a table. thus we will know which algorithms to choose

Below is a link to the table of comparisons between the different algorithms:

<https://docs.google.com/spreadsheets/d/1hyjeX9RZApqci3M0m-.seYWIHMtrlhLsvxuUWtAW8MvA/edit#gid=0>