Let's say we have a database with 8,973 entries on an x86_64 architecture. Each contains:

- Name: char array – Up to 50 characters
- Department: char array - Up to 12 characters
- Section: char array - Up to 8 characters
- Additional: char array - Up to 50 characters
- GPA: double
- ID: Unsigned integer

Determine the amount of memory consumed storing these entries on a Disk with block of 512 bytes using both segmentation and paging. Draw the layout of the first three blocks for each.