

**1.) Gutenbrunner, Greul, Hinterberger, Pflieger**

- File Block
  - Directory Block
  - Data Block
  - List to save unused addresses
- 1) Creating a file  
allocate block and save all metadata; address store in file block; unused addresses delete from list
  - 2) Deleting a file  
Give back to unused memory
  - 3) Increasing file size  
Give additional Data block and add to file block list
  - 4) Decreasing file size  
When too small unnecessary blocks → delete
  - 5) Reading a file sequentially  
File block → data blocks saved

**2.) Baminger, Jusic, Metbala, Tretthan**

- Free Space Management → empty blocks
  - Meta Management
  - Meta Data → data → ... (linked list)
- 1) Deleting a file  
Meta data → free space management
  - 2) Increasing file size  
Data block from empty blocks
  - 3) Decreasing file size  
Delete last block if necessary
  - 4) Reading a file sequentially  
Like the other groups

**3.) Friesenecker, Aumeier, Axmann, Preininger**

- First Block (Header Block) → address to next block
- 1) Creating a file  
Allocate 3 blocks; Add pointer to the header
  - 2) Increasing file size  
First block replaced → free block
  - 3) Decreasing file size  
Block gets free
  - 4) Reading a file sequentially  
Headerblock → address to content block

**4.) Pirklbauer, Höllhuber, Waldmann, Fallmann**

- 1) Creating a file  
Find free block → on the end address to next block
- 2) Deleting  
Only delete first file
- 3) Increasing  
Calculate new size; write blocks
- 4) Decreasing  
Calculate and update
- 5) Reading sequentially  
Linked list; on the end → EOF

**5.) Füreder, Kepplinger, Noisternig, Dalpiaz**

- Content block
  - Meta-Data (address of metadata)
  - Meta-Data-List
  - Free Space List
- 1) Creating a file  
Address → free space list; meta data address → meta data list
  - 2) Deleting a file  
Meta data back to free space list
  - 3) Increasing file size  
new block → meta data block
  - 4) Decreasing file size  
Unused → free space list
  - 5) Reading a file sequentially  
Meta data block

**summary**

All groups had good ideas.

Randomly reading was in every group the same.

In all groups there was a free space list.