8 A collector needs a video library system for a collection of videos stored on 4K Blu-ray discs, standard Blu-ray discs, DVD, or as digital downloads.

The two-dimensional (2D) array `Video[]` is used to store, for each video item, the title, the format of the video (4K Blu-ray disc, standard Blu-ray disc, DVD, or digital download), the year it was released stored as a string and a storage code to represent where the video can be found in the collection, for example:

```
Video[1,1] is "Macbeth"
Video[1,2] is "digital download"
Video[1,3] is "2015"
Video[1,4] is "DG276"
```

The two-dimensional (2D) array `Results[]` is used to store the results of a search to find a specific video. The search uses the video title, and if the video is found, its data is copied from the array `Video[]` to the array `Results[]`. The search continues and if other videos with the same title are found, this data is also copied to the array `Results[]`. The search ends when the end of the data is reached.

Write a program that meets the following requirements:

- The video library array needs to be initialised with the null string (""), allowing for up to 10 000 records. The array `Results[]` must be initialised before every search with the null string and must be able to hold up to 20 search results with the same title.
- Create a menu to add a new video to the library to search for an existing video by title, or to stop, with validation of the input.
- When the user enters a new video, the following data is stored in the first available location of the relevant array:
  - **o** video title
  - **o** format (4K Blu-ray disc, standard Blu-ray disc, DVD, digital download)
  - **o** year of release as string
  - **o** storage code.
- Allow input of data for another video if required.
- When searching for an existing video, if a match is found, transfer all the data for that video into the array `Results[]`, and continue to search until all videos with the same title have been found.
- Output the results from the array `Results[]`
- If the video title is not found, output a suitable message.
- The system returns to the menu after completing the input or the output, until the user chooses to stop.

You must use pseudocode or program code and add comments to explain how your code works.

You do **not** need to declare any arrays, variables or constants. You may assume that this has already been done.

All inputs and outputs must contain suitable messages.

[15]