Optional Lab

Answer the following questions using a struct datatype defined below that stores movie information such as:

101,Gone with the Wind,1939,Victor Fleming
102,Star Wars,1977,George Lucas
103,The Sound of Music,1965,Robert Wise
104,E.T.,1982,Steven Spielberg
105,Titanic,1997,James Cameron
106,Snow White,1937,William Cottrell
107,Avatar,2009,James Cameron
108,Raiders of the Lost Ark,1981,Steven Spielberg

```
struct Movie {
int mid;
char title [100];
int year;
char director [30];
};

typedef struct Movie movies;
```

Question 1.

In the main program, write code that declares an array called myMovies of size 8, where each element of myMovies is of type movies. It then scans information for the first 2 movies and stores them at index 0 and 1 of myMovies.

Question 2.

Write a function called readMoreMovies that uses the following prototype to read information on rest of the movies and store them at index 2, 3, 4, 5, 6 and 7 of myMovies.

```
void readMoreMovies(movies myMovies[], int nextRead, int
howMany);
```

Question 3.

Write a function called printOldest that uses the following prototype to find and print the oldest movie in this collection.

```
void printOldest(movies myMovies[], int howMany);
```

Sample Output:

```
Oldest movie
Movie Id: 106
Name: Snow White
Year of release: 1937
Director: William Cottrell
```

Question 4.

Write a function called printAllMovies that uses the following prototype to print all movies in the collection.

```
void printOldest(movies myMovies[], int howMany);
```

Sample Output:

```
Movie Id: 101
Name: Gone with the Wind
Year of release: 1939
Director: Victor Fleming
```

And so on.....