**ASSIGNMENT 6 – BINARY AND CSV FILES**

1. Consider the following data. Save each row as a list in a binary file called “Countries.dat”

|  |  |  |  |
| --- | --- | --- | --- |
| Afghanistan | Kabul | 34.28N | 69.11E |
| Albania | Tirane | 41.18N | 19.49E |
| Algeria | Algiers | 36.42N | 03.08E |
| Iceland | Reykjavik | 64.10N | 21.57W |
| India | New Delhi | 28.37N | 77.13E |
| Indonesia | Jakarta | 06.09S | 106.49E |

1. Open the above file and search for the details based on the user input - country or city name.
2. Consider the following data:

WHITE #FFFFFF

SILVER #C0C0C0

GRAY #808000

BLACK #000000

RED #FF0000

MAROON #800000

YELLOW #FFFF00

OLIVE #808000

LIME #00FF00

Write the above data as a dictionary to a file called ‘colors.bin’. For example: {‘ WHITE’ : ’#FFFFFF’ }

Write a menu based program to do the following tasks:

* 1. Display the contents of the file
  2. Add another color and its hexacode to the end of the file

For eg: GREEN #008000

* 1. Change the code for GRAY to #808080. [Use seek and tell methods]
  2. Delete BLACK color and its code.

Note: After every modification, display the contents of the file. The function written for option a can be called.

1. Consider this list of Robert Di Nero’s movies. Copy and paste to notepad and save it as ‘diNero .csv’ file

Year, Score, Movies

1968, 86, "Greetings"

1970, 17, "Bloody Mama"

1970, 73, "Hi, Mom!"

1971, 40, "Born to Win"

1973, 98, "Mean Streets"

1973, 88, "Bang the Drum Slowly"

1974, 97, "The Godfather - Part II"

1976, 41, "The Last Tycoon"

1976, 99, "Taxi Driver"

1977, 47, "1900"

1977, 67, "New York, New York"

1978, 93, "The Deer Hunter"

1980, 97, "Raging Bull"

1981, 75, "True Confessions"

1983, 90, "The King of Comedy"

1984, 89, "Once Upon a Time in America"

1984, 60, "Falling in Love"

1985, 98, "Brazil"

1986, 65, "The Mission"

1987, 100, "Dear America: Letters Home From Vietnam"

1987, 80, "The Untouchables"

1987, 78, "Angel Heart"

1988, 96, "Midnight Run"

1989, 64, "Jacknife"

1989, 47, "We're No Angels"

1990, 88, "Awakenings"

1990, 29, "Stanley & Iris"

1990, 96, "Goodfellas"

1991, 76, "Cape Fear"

1991, 69, "Mistress"

1991, 65, "Guilty by Suspicion"

1991, 71, "Backdraft"

1992, 87, "Thunderheart"

1992, 67, "Night and the City"

1993, 75, "This Boy's Life"

1993, 78, "Mad Dog and Glory"

1993, 96, "A Bronx Tale"

1994, 39, "Mary Shelley's Frankenstein"

1995, 80, "Casino"

1995, 86, "Heat"

1996, 74, "Sleepers"

1996, 38, "The Fan"

1996, 80, "Marvin's Room"

1997, 85, "Wag the Dog"

1997, 87, "Jackie Brown"

1997, 72, "Cop Land"

1998, 68, "Ronin"

1998, 38, "Great Expectations"

1999, 69, "Analyze This"

1999, 43, "Flawless"

2000, 43, "The Adventures of Rocky & Bullwinkle"

2000, 84, "Meet the Parents"

2000, 41, "Men of Honor"

2001, 73, "The Score"

2001, 33, "15 Minutes"

2002, 48, "City by the Sea"

2002, 27, "Analyze That"

2003, 4, "Godsend"

2004, 35, "Shark Tale"

2005, 4, "The Bridge of San Luis Rey"

2005, 46, "Rent"

2005, 13, "Hide and Seek"

2006, 54, "The Good Shepherd"

2007, 21, "Arthur and the Invisibles"

2007, 76, "Captain Shakespeare"

2008, 19, "Righteous Kill"

2008, 51, "What Just Happened?"

2009, 46, "Everybody's Fine"

2010, 72, "Machete"

2010, 50, "Stone"

2011, 25, "Killer Elite"

2011, 7, "New Year's Eve"

2011, 70, "Limitless"

2012, 92, "Silver Linings Playbook"

2012, 51, "Being Flynn"

2012, 29, "Red Lights"

2013, 46, "Last Vegas"

2013, 7, "The Big Wedding"

2013, 29, "Grudge Match"

2013, 11, "Killing Season"

2014, 9, "The Bag Man"

1. Write a program to accept a year from the user, read the csv file and print all movies that he has acted in, in that year.
2. Print the movie names and the year that start with ‘The’.
3. Add another movie at the end: 2015, 61, "The Intern"