COMP1022Q Review Question – Sorting and Filtering Question

Here is a list of the top 50 highest rated movies with their ratings and number of votes given by viewers from an Internet website (www.imdb.com):

Rank	Rating	Title	Votes
1	9.2	The Shawshank Redemption (1994)	546,902
2	9.1	The Godfather (1972)	428,386
3	9	The Godfather: Part II (1974)	257,965
4	8.9	Il buono, il brutto, il cattivo. (1966)	170,312
5	8.9	Pulp Fiction (1994)	436,934
6	8.9	Inception (2010)	267,400
7	8.9	Schindler's List (1993)	289,525
8	8.9	12 Angry Men (1957)	127,189
9	8.8	One Flew Over the Cuckoo's Nest (1975)	225,720
10	8.8	The Dark Knight (2008)	488,449
11	8.8	Star Wars: Episode V - The Empire Strikes Back (1980)	289,642
12	8.8	The Lord of the Rings: The Return of the King (2003)	380,964
13	8.8	Shichinin no samurai (1954)	101,056
14	**8.7**	**Star Wars (1977)**	**332,794**
15	8.7	Fight Club (1999)	402,261
16	8.7	Goodfellas (1990)	240,319
17	8.7	Casablanca (1942)	174,138
18	8.7	Cidade de Deus (2002)	176,263
19	8.7	The Lord of the Rings: The Fellowship of the Ring (2001)	404,090
20	8.7	C'era una volta il West (1968)	78,417
21	8.7	Rear Window (1954)	123,952
22	8.7	Raiders of the Lost Ark (1981)	252,181
23	8.7	Psycho (1960)	150,426
24	8.7	The Usual Suspects (1995)	277,797
25	8.7	The Matrix (1999)	398,969
26	8.7	Toy Story 3 (2010)	95,109
27	8.6	The Silence of the Lambs (1991)	257,992
28	8.6	Se7en (1995)	294,398
29	8.6	It's a Wonderful Life (1946)	106,872
30	8.6	Memento (2000)	288,571
31	8.6	The Lord of the Rings: The Two Towers (2002)	341,583
32	8.6	Sunset Blvd. (1950)	57,373
33	8.6	Forrest Gump (1994)	317,889
34	8.6	Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb (1964)	161,366
35	8.6	Léon (1994)	211,010
36	8.6	Apocalypse Now (1979)	180,252
37	8.6	Citizen Kane (1941)	142,957
38	8.6	North by Northwest (1959)	97,142
39	8.6	American Beauty (1999)	305,000
40	8.5	American History X (1998)	236,856
41	8.5	Taxi Driver (1976)	163,904
42	8.5	Terminator 2: Judgment Day (1991)	249,259
43	8.5	Saving Private Ryan (1998)	281,969
44	8.5	Vertigo (1958)	95,717
45	8.5	Le fabuleux destin d'Amélie Poulain (2001)	190,605
46	8.5	Alien (1979)	188,535
47	8.5	WALL·E (2008)	194,704
48	8.5	The Shining (1980)	186,887
49	8.5	Lawrence of Arabia (1962)	82,427
50	8.5	Sen to Chihiro no kamikakushi (2001)	107,533

The list above has been put in an Excel worksheet, as shown on the next page:

	A	B	C	D
1	Rank	Rating	Title	Votes
2	1	9.2	The Shawshank Redemption (1994)	546,902
3	2	9.1	The Godfather (1972)	428,386
4	3	9	The Godfather: Part II (1974)	257,965
5	4	8.9	Il buono, il brutto, il cattivo. (1966)	170,312
6	5	8.9	Pulp Fiction (1994)	436,934
7	6	8.9	Inception (2010)	267,400
8	7	8.9	Schindler's List (1993)	289,525
9	8	8.9	12 Angry Men (1957)	127,189
10	9	8.8	One Flew Over the Cuckoo's Nest (1975)	225,720
11	10	8.8	The Dark Knight (2008)	488,449
12	11	8.8	Star Wars: Episode V - The Empire Strikes Back (1980)	289,642
13	12	8.8	The Lord of the Rings: The Return of the King (2003)	380,964
14	13	8.8	Shichinin no samurai (1954)	101,056
15	14	8.7	Star Wars (1977)	332,794
16	15	8.7	Fight Club (1999)	402,261
17	16	8.7	Goodfellas (1990)	240,319
18	17	8.7	Casablanca (1942)	174,138

Review Question | Movies

Note that not all 50 movies are shown in the picture above.

Five sections of VBA code are shown below. Four of them will result in the movie "Star Wars (1977)" being displayed at the top. In other words, four of them will result in "Star Wars (1977)" being shown in the second row of the result. Which one of the following will **NOT** result in "Star Wars (1977)" being shown at the top?

Note that 'xlFilterInPlace' means the advanced filter is applied so that the result after filtering replaces the filtered data in the same location.

A)
```
Range("A1").AutoFilter 4, ">300000", xlAnd, "<350000"
```

B)
```
Range("A1").AutoFilter 3, "*1977*"
```

C)
```
Range("E1") = "Votes"
Range("E2") = ">300000"
Range("E3") = "<350000"
Range("A1:D51").AdvancedFilter xlFilterInPlace, Range("E1:E3")
```

D)
```
Range("A1").Sort Key1:=Range("D:D"), Order1:=xlAscending, _
              Header:=xlYes
Range("A1").AutoFilter 4, 10, xlTop10Items
```

E)
```
For Row = 2 To 51
    If InStr(1, Cells(Row, 3), "Star") > 0 Then
        For Col = 1 To 4
            Temp = Cells(Row, Col)
            Cells(Row, Col) = Cells(2, Col)
            Cells(2, Col) = Temp
        Next
    End If
Next
```

Answer (A/B/C/D/E): _____