

Abstract: we have a dataset, and we have to analyze this dataset and perform many query on this.

- there is no need to import OS tool.
- we don't implement any OS function in these query

QUERY-1 : Find the number of movies released between 1950 and 1960.

```
In [3]: fh = open('movie.txt', 'r')
count = 0
for line in fh:
    l = line.split(",")
    if(int(l[2]) > 1950 and int(l[2]) < 1960):
        count += 1
print(count)
fh.close()
```

414

Q2 - Find the number of movies having rating more than 4.

```
In [2]: fh = open('movie.txt', 'r')
count = 0
for line in fh:
    l = line.split(",")
    if(l[3] > '4.0'):
        count += 1
print(count)
fh.close()
```

897

Q3 - Find the movies whose rating are between 3 and 4.

```
In [3]: fh = open('movie.txt', 'r')
count = 0
a = []
for line in fh:
    l = line.split(",")
    if(l[3] > '3.0' and l[3] < '4.0'):
        a.append(l[1])
        count += 1
print(count)
fh.close()
```

7161

Q4 - Find the number of movies with duration more than 2 hours (7200 second).

```
In [8]: fh = open('movie.txt', 'r')
count = 0
for line in fh:
    l = line.split(",")
    if(l[4] != '' and l[4] > '7200'):
        count += 1
print(count)
fh.close()
```

1042

Q5 - Find the list of years and number of movies released each year.


```

In [5]: fh = open('movie.txt','r')
count = 0
a = []
for line in fh:
    l = line.split(",")
    a.append(l[2])
p = list(set(a))
for i in range(len(p)):
    x = a.count(p[i])
    print("In ", p[i] , " Number of Movies are",x)
fh.close()

```

```

In 2003 Number of Movies are 1399
In 2000 Number of Movies are 902
In 1953 Number of Movies are 17
In 1937 Number of Movies are 4
In 1985 Number of Movies are 334
In 1989 Number of Movies are 421
In 2014 Number of Movies are 1
In 1936 Number of Movies are 7
In 1994 Number of Movies are 517
In 1991 Number of Movies are 364
In 1924 Number of Movies are 5
In 1958 Number of Movies are 73
In 1956 Number of Movies are 60
In 1932 Number of Movies are 4
In 2011 Number of Movies are 5511
In 2012 Number of Movies are 4339
In 1973 Number of Movies are 168
In 1925 Number of Movies are 5
In 1961 Number of Movies are 119
In 1945 Number of Movies are 9
In 1914 Number of Movies are 20
In 1923 Number of Movies are 4
In 1959 Number of Movies are 87
In 1979 Number of Movies are 140
In 1919 Number of Movies are 3
In 1942 Number of Movies are 3
In 1931 Number of Movies are 3
In 1982 Number of Movies are 153
In 2004 Number of Movies are 1381
In 1993 Number of Movies are 564
In 1926 Number of Movies are 2
In 1992 Number of Movies are 479
In 1927 Number of Movies are 4
In 2001 Number of Movies are 1173
In 1965 Number of Movies are 104
In 1976 Number of Movies are 118
In 1980 Number of Movies are 107
In 1978 Number of Movies are 231
In 2013 Number of Movies are 981
In 1972 Number of Movies are 166
In 1949 Number of Movies are 9
In 1930 Number of Movies are 5
In 1920 Number of Movies are 6
In 1998 Number of Movies are 843
In 1968 Number of Movies are 173
In 1922 Number of Movies are 2
In 1915 Number of Movies are 1
In 1974 Number of Movies are 178
In 1951 Number of Movies are 33
In 1935 Number of Movies are 11
In 1981 Number of Movies are 112
In 1943 Number of Movies are 7
In 1999 Number of Movies are 1181
In 1944 Number of Movies are 10
In 1970 Number of Movies are 141
In 2009 Number of Movies are 4451
In 1928 Number of Movies are 2

```

```
In 1918 Number of Movies are 1
In 1988 Number of Movies are 334
In 1938 Number of Movies are 5
In 1990 Number of Movies are 470
In 1952 Number of Movies are 15
In 2010 Number of Movies are 5107
In 1995 Number of Movies are 592
In 1946 Number of Movies are 6
In 1913 Number of Movies are 3
In 1983 Number of Movies are 270
In 1971 Number of Movies are 131
In 1955 Number of Movies are 14
In 1941 Number of Movies are 7
In 1996 Number of Movies are 688
In 1934 Number of Movies are 8
In 1950 Number of Movies are 10
In 1966 Number of Movies are 103
In 1947 Number of Movies are 9
In 1948 Number of Movies are 13
In 1929 Number of Movies are 5
In 2005 Number of Movies are 1937
In 1997 Number of Movies are 788
In 1921 Number of Movies are 2
In 2002 Number of Movies are 1117
In 1957 Number of Movies are 98
In 2007 Number of Movies are 2892
In 1969 Number of Movies are 124
In 1975 Number of Movies are 134
In 1984 Number of Movies are 303
In 1940 Number of Movies are 9
In 1962 Number of Movies are 124
In 2006 Number of Movies are 2416
In 1963 Number of Movies are 88
In 1933 Number of Movies are 7
In 1977 Number of Movies are 136
In 1986 Number of Movies are 287
In 1954 Number of Movies are 17
In 1960 Number of Movies are 123
In 2008 Number of Movies are 3358
In 1916 Number of Movies are 1
In 1967 Number of Movies are 279
In 1987 Number of Movies are 280
In 1964 Number of Movies are 126
In 1939 Number of Movies are 6
```

Q6 - Find total number of movies in dataset

```
In [10]: print("Total Number of Movies : ",sum(1 for l in open('movie.txt','r')))
```

```
Total Number of Movies : 49590
```

```
In [ ]:
```