In [2]:
```
import numpy as np
import pandas as pd
from matplotlib import pyplot as plt
```

In [3]:
```
df = pd.read_csv('countries (2).csv')
df
```

Out[3]:

	country	year	population
0	Afghanistan	1952	8425333
1	Afghanistan	1957	9240934
2	Afghanistan	1962	10267083
3	Afghanistan	1967	11537966
4	Afghanistan	1972	13079460
...	...	...	...
1699	Zimbabwe	1987	9216418
1700	Zimbabwe	1992	10704340
1701	Zimbabwe	1997	11404948
1702	Zimbabwe	2002	11926563
1703	Zimbabwe	2007	12311143

1704 rows × 3 columns

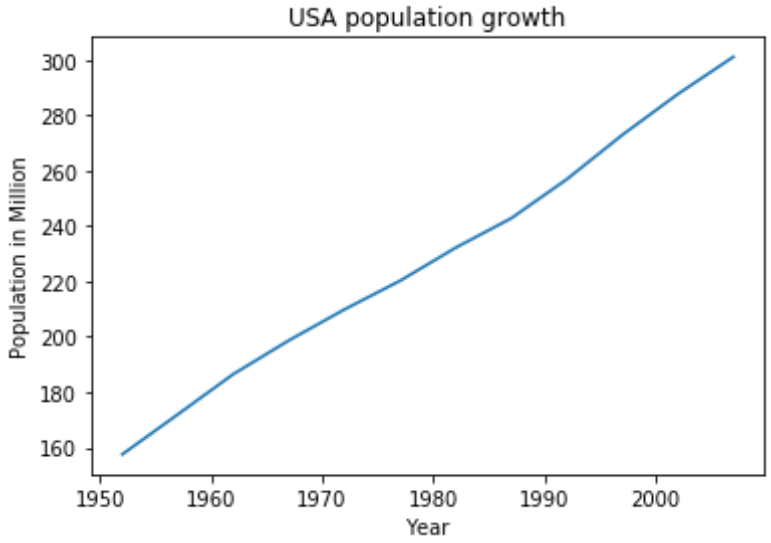
In [ ]:
```
#1. United States
```

In [6]:
```
us = df[df.country == 'United States']
us
```

Out[6]:

	country	year	population
1608	United States	1952	157553000
1609	United States	1957	171984000
1610	United States	1962	186538000
1611	United States	1967	198712000
1612	United States	1972	209896000
1613	United States	1977	220239000
1614	United States	1982	232187835
1615	United States	1987	242803533
1616	United States	1992	256894189
1617	United States	1997	272911760
1618	United States	2002	287675526
1619	United States	2007	301139947

In [12]:
```
plt.plot(us.year, us.population/10**6)
plt.xlabel('Year')
plt.ylabel('Population in Million')
plt.title('USA population growth')
plt.show()
```



In [ ]:

In [ ]:
```
#2. India
```

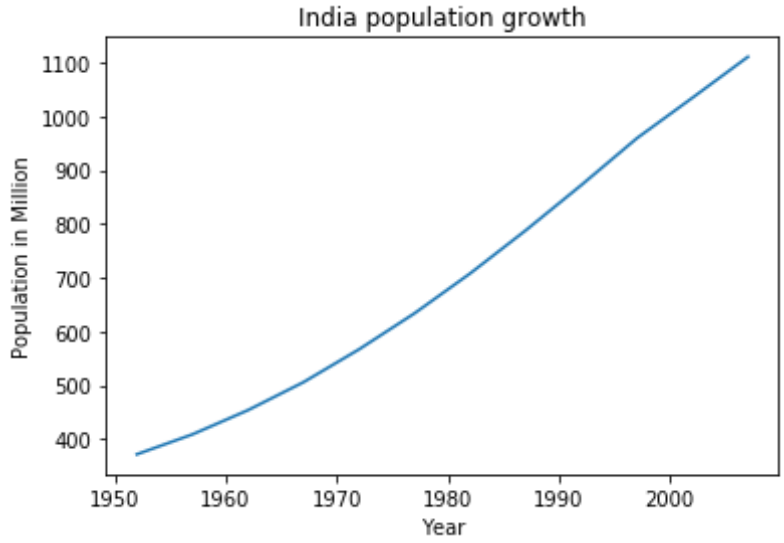
In [13]:
```
ind = df[df.country == 'India']
ind
```

Out[13]:

	country	year	population
696	India	1952	372000000
697	India	1957	409000000
698	India	1962	454000000
699	India	1967	506000000
700	India	1972	567000000
701	India	1977	634000000
702	India	1982	708000000

	country	year	population
703	India	1987	788000000
704	India	1992	872000000
705	India	1997	959000000
706	India	2002	1034172547
707	India	2007	1110396331

In [15]:
```
plt.plot(ind.year, ind.population/10**6)
plt.xlabel('Year')
plt.ylabel('Population in Million')
plt.title('India population growth')
plt.show()
```



In [ ]:

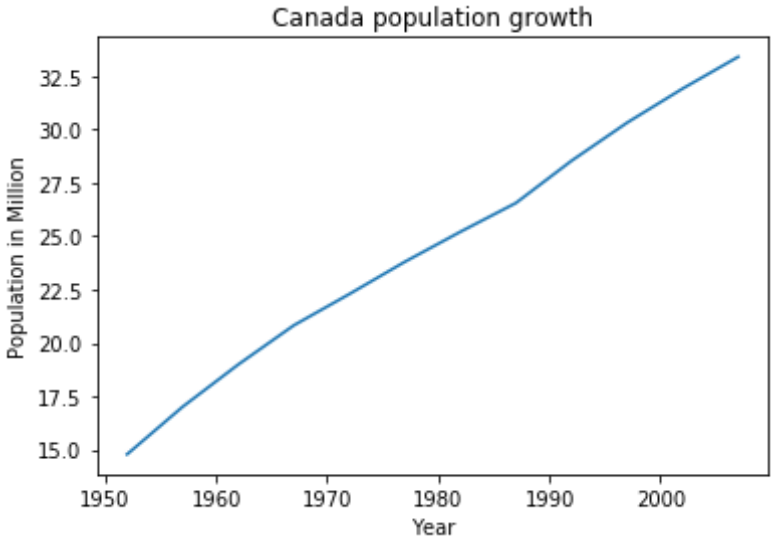
In [ ]:
```
#3. Canada
```

In [14]:
```
cnd = df[df.country == 'Canada']
cnd
```

Out[14]:

	country	year	population
240	Canada	1952	14785584
241	Canada	1957	17010154
242	Canada	1962	18985849
243	Canada	1967	20819767
244	Canada	1972	22284500
245	Canada	1977	23796400
246	Canada	1982	25201900
247	Canada	1987	26549700
248	Canada	1992	28523502
249	Canada	1997	30305843
250	Canada	2002	31902268
251	Canada	2007	33390141

In [16]:
```
plt.plot(cnd.year, cnd.population/10**6)
plt.xlabel('Year')
plt.ylabel('Population in Million')
plt.title('Canada population growth')
plt.show()
```



In [ ]:

In [ ]: `#4. Turkey`

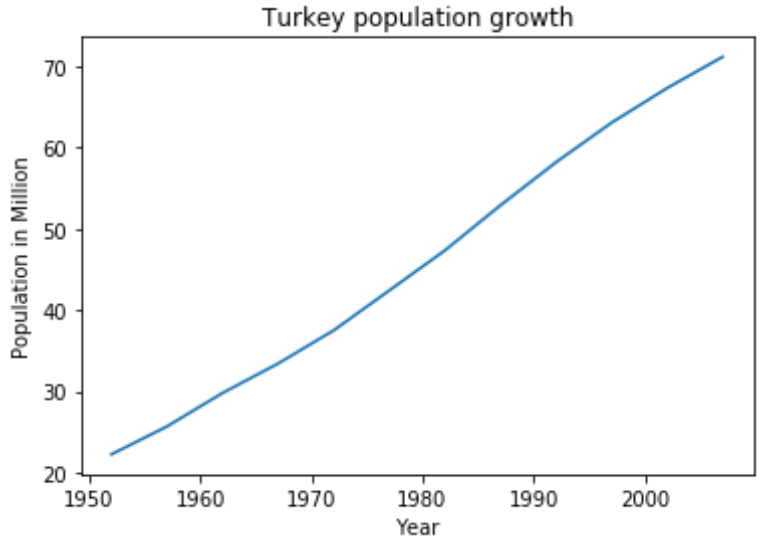
In [17]:
```
trk = df[df.country == 'Turkey']
trk
```

Out[17]:

	country	year	population
1572	Turkey	1952	22235677
1573	Turkey	1957	25670939
1574	Turkey	1962	29788695
1575	Turkey	1967	33411317
1576	Turkey	1972	37492953
1577	Turkey	1977	42404033
1578	Turkey	1982	47328791

	country	year	population
1579	Turkey	1987	52881328
1580	Turkey	1992	58179144
1581	Turkey	1997	63047647
1582	Turkey	2002	67308928
1583	Turkey	2007	71158647

In [18]:
```
plt.plot(trk.year, trk.population/10**6)
plt.xlabel('Year')
plt.ylabel('Population in Million')
plt.title('Turkey population growth')
plt.show()
```



In [ ]:
```

```

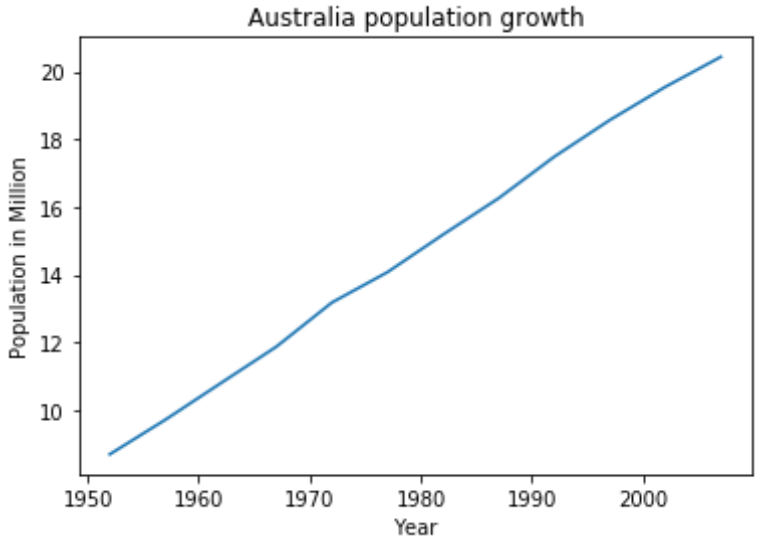
In [ ]:
```
#5. Australia
```

In [19]:
```
aust = df[df.country == 'Australia']
aust
```

Out[19]:

	country	year	population
60	Australia	1952	8691212
61	Australia	1957	9712569
62	Australia	1962	10794968
63	Australia	1967	11872264
64	Australia	1972	13177000
65	Australia	1977	14074100
66	Australia	1982	15184200
67	Australia	1987	16257249
68	Australia	1992	17481977
69	Australia	1997	18565243
70	Australia	2002	19546792
71	Australia	2007	20434176

In [20]:
```
plt.plot(aust.year, aust.population/10**6)
plt.xlabel('Year')
plt.ylabel('Population in Million')
plt.title('Australia population growth')
plt.show()
```



In [ ]: