In [9]:

```
import csv
import itertools as it
from memory_profiler import profile
```

In [10]:

```
#Generatore per estrarre le partite riga per riga
def get_worldcup_matches(csv_filename):
    with open(csv_filename, "r", encoding="utf8") as match_records:
        for match_record in csv.reader(match_records):
            yield match_record
#Funzione per filtrare filtrare solo le partite dei mondiali
def filtering(row):
    return row[5] == "FIFA World Cup" #Filters per Wolrd Cup games only
```

In [11]:

```
#iteratore con le partite
iter_matches = iter(get_worldcup_matches("results.csv"))

#iteratore con le partite dei mondiali
iter_matches = filter(filtering, iter_matches)

next(iter_matches)  # Skipping the column names

#Creazione dizionari e lista di dizionari
dictionaries = []
listOfKeys=["date","home team","away team","home score","away score","tournament","city"
,"country","neutral"]

for row in iter_matches:
    dictionaries.append(dict(zip(listOfKeys,row)))


#print(dictionaries)
```

In [12]:

```
#Conteggio gol fatti dall'italia nei campionati mondiali tramite generator expressions

italy_goal_count = 0

italy_goal_count = sum(int(m_dict['home score']) for m_dict in dictionaries if(m_dict['h
ome team'] == "Italy"))

italy_goal_count += sum(int(m_dict['away score']) for m_dict in dictionaries if(m_dict['
away team'] == "Italy"))

print(f"Gol totali fatti dall'italia: {italy_goal_count}")
```

```
Gol totali fatti dall'italia: 128
```