WATERLOO ENGINEERING COMPETITION

Programming Challenge

PROGRAM DESIGN

Read in data from CSV files

```
□def indexFunc(e):
tot params = [0, 0] # cores, ram
    data = csv.DictReader(f)
    for line in data:
        servers.append([int(line['Sever Number']), int(line['Number of cores']), int(line['Number of Watts']), int(line['Total RAM']), []])
        if(int(line['Number of Cores']) > max params[0]):
            max params[0] = int(line['Number of Cores'])
        if(int(line['Total RAM']) > max params[]]):
            max params[1] = int(line['Total RAM'])
        tot params[0] += int(line['Number of Cores'])
        tot params[1] += int(line['Total RAM'])
all tasks = []
tot task params = [0, 0]
    data = csv.DictReader(f)
    for line in data:
        all tasks.append([int(line['Number of Cores']), int(line['Number of Turns']), int(line['RAM']), int(line['Complete in Turns']), 0, 0, 0, 0])
        tot task params[0] += int(line['Number of Cores'])
        tot task params[1] += int(line['RAM'])
```

Ideal server



