Exercise Instructions for Students

1. How is **parallel programming** different from **sequential programming**?
2. How does a **multi-core computer** attempt to improve performance as compared to a **single-core computer**?
3. What is **High Performance Computing (HPC)**?
4. Spend some time browsing around www.top500.org . Choose a computer from the list, and write down what you learn about it. How much memory (RAM) does it have? How many compute cores? Where is it located? How much energy does it consume? What other information is given?