

**Important:** Please do all assignments on **solar**. Actually, you can do the assignment on a PC, transfer the file over to **solar**, and submit it there.

## SPIM Simulator

The following problems are from your main text (Patterson and Hennessy)

1. [20 pts] Translate the following C code into a MIPS program.

```
int x[10] = { 0 };
for ( int i ( 0 ); i < 10; i++ )
    x[i] = x[i-1];
```

2. [10 pts] Problem 3.6
3. [10 pts] Problem 3.8
4. [30 pts] Problem 3.11
5. [10 pts] Problem 4.11
6. [10 pts] Problem 4.13
7. [15 pts] Problem 4.14

### What to handin

Handin an electronic copy of all the sources and results. Create your programs in a directory called *username.4* where *username* is your user name on **solar**. Once you are done with everything, *remove the executables and object files*, and issue the following commands:

```
% cd
% ~skb/bin/handin cs312 4
```

Submit a paper copy of all listings in class.