

Note: The user must initially specify the PATH to inherit from, which is why the command `ls` and `main` is not found for the first iteration.

```
> ls
ls: Command not found.
> /usr/bin/ls
csapp.c  csapp.h  csapp.o  shellex  shellex.c
> set PATH=/usr/bin
> ls
csapp.c  csapp.h  csapp.o  shellex  shellex.c
> /usr/bin/ls
csapp.c  csapp.h  csapp.o  shellex  shellex.c
> proc
Background process 3866862 done
Background process 3866908 done
Background process 3867292 done
Background process 3867343 done
> ls &
3867498 ls &
> csapp.c  csapp.h  csapp.o  shellex  shellex.c

> proc
Background process 3867498 done
```

```
• alc466@tux4:~/CS503/HW7$ ./shellex
> main &
3867803 main &
> main: Command not found.

> /home/alc466/CS503/HW4/main
The 3 digit numbers that equal the sum of cubes of their digits are:
153
370
371
407
>
> proc
Background process 3867803 done
Background process 3868066 done
> set PATH=/home/alc466/CS503/HW4
> main &
3868306 main &
> The 3 digit numbers that equal the sum of cubes of their digits are:
153
370
371
407
```