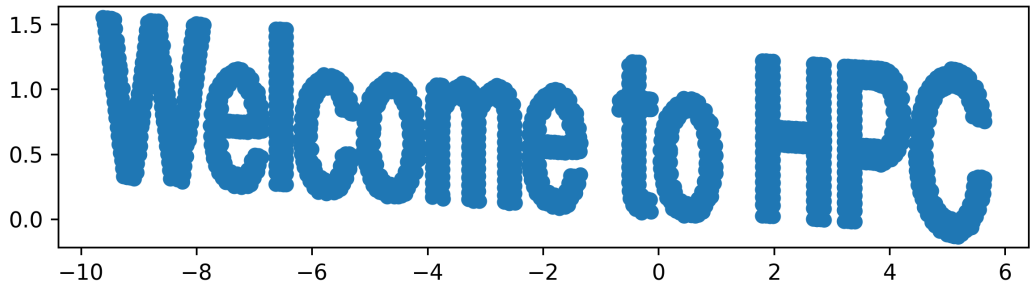
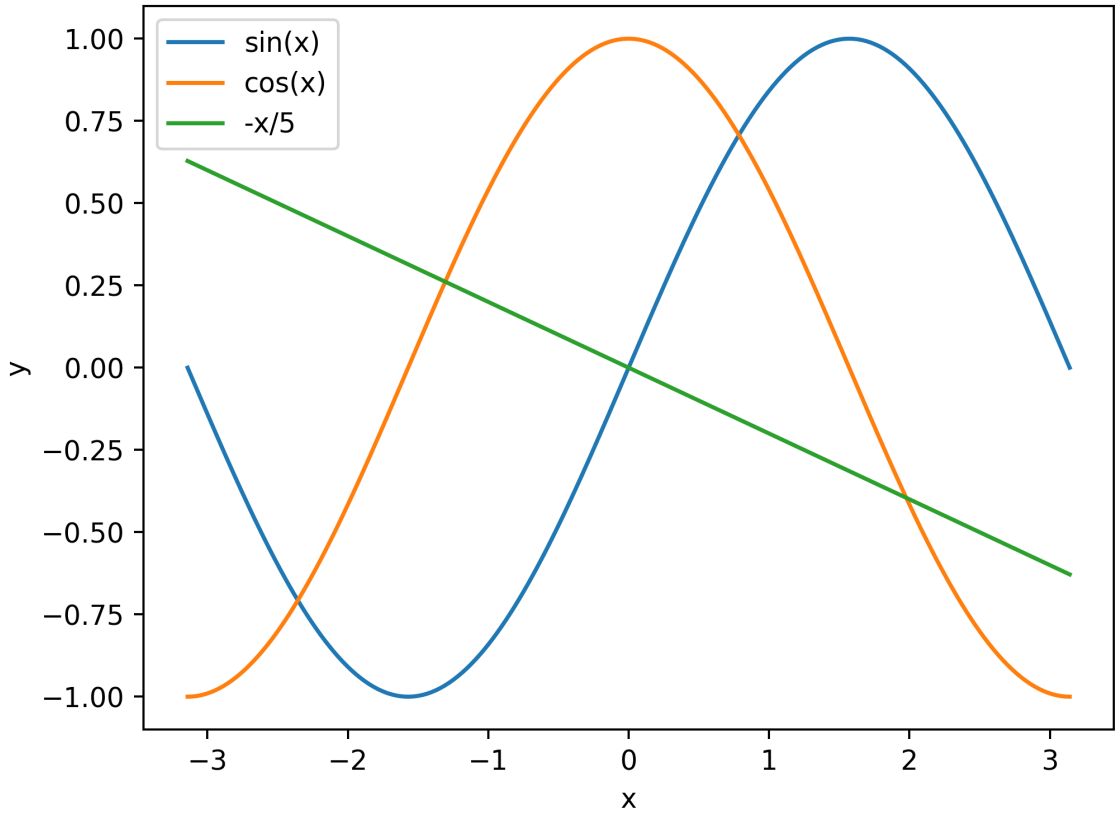
Exercise Sheet 01

Exercise 5

- top: Displays Linux processes, ps: report a snapshot of current processes and -u: filters the processes by user. With '>' and '<' you can move the sort field to right or left. In additon there are shortcuts for the specific fields.
command	sorted-field
A	start time (non-display)
M	%MEM
N	PID
P	%CPU
T	TIME+
- delays something for a specific amount of time. i.e for 10 second
- pwd: print name of current directory, ls: list directory content, cd: change directory, cp: copy files and directories, ln: create links between files.
- **HAND-IN** It contains 2D coordinates which create the words *Welcome to HPC* if plotted.



- y is printed over and over again. yes: outputs a string repeatedly until killed. 'kill -9' command sends a kill signal to terminate any process immediately. 'kill -SIGKILL <processID>' has the same effect
- The processes are runnig the background. With jobs you can find the id of the job which is running in the background. In used the command kill %<job id>
- echo: displays a line of text. It prints 'Hello World', user: 'dennys', shell: 'zsh', hostname: 'fedora' $VAR are global variables inside the shell.
- df: how much space in a directory: i.e. 941271280
- **HAND-IN**



Exercise 6

- **HAND-IN** :
  - My_file: newlines:5, words: 5, byte counts: 24
  - Data.txt with My_file appended: newlines: 1728, words: 3451 byte counts: 67379