

# welcome to comp1511!

tue13-bass

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# agenda for today

- introductions!
- admin
- introduction to linux
- introduction to C programming
- getting ready for the lab

# introductions!

introduce yourself:

- name
- year/degree
- favourite hobby
- give an instruction to draw an elephant

# admin

- course website: <https://cgi.cse.unsw.edu.au/~cs1511/24T2/>
- github (tute code):  
<https://github.com/catherinecheng02/COMP1511-T13A-24T2-Tutorial>
- contact details:
  - Catherine: [z5310517@unsw.edu.au](mailto:z5310517@unsw.edu.au)
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# introduction to linux

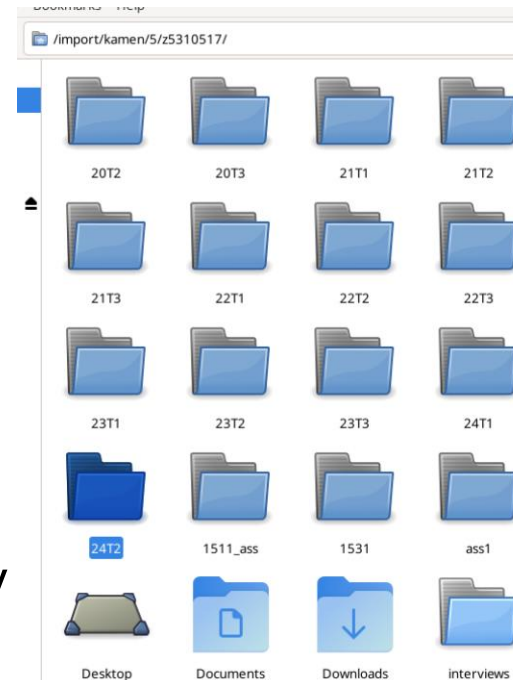
- command line vs graphical interface
- terminal commands
  - ls
  - mkdir
  - cd
  - cd ..
  - code file.c

# introduction to linux

- command line vs graphical interface

- terminal commands

- **ls** – lists files and folders
- **mkdir** – makes new directory
- **cd <directory name>** - change directory
- **cd ..** – change to parent directory
- **code <file name>** - create file
- **up and down arrows** – command history
- **copy/paste** – CTRL + SHIFT + C/V



```
z5310517@vx19:~/24T2/1511$ cd ../../
z5310517@vx19:~$ ls
1511_ass  24T2                package.json
1531      ass1                package-lock.json
20T2      count              park
20T3      count_char_type.c  personal
21T1      cs_carpark.c       Pictures
21T2      Desktop            project-backend
21T3      Documents           Public
22T1      Downloads           rocketry
22T2      hello.c            ssh
22T3      interviews          ssh.pub
23T1      log                 Templates
23T2      motd               test
23T3      motd.c             Videos
24T1      Music
```

# introduction to C programming

hello\_world.c ×

import > kamen > 5 > z5310517 > 24T2 > 1511 >

```
1 // Basic Hello, World! program
```

```
2
```

```
3 #include <stdio.h>
```

```
4
```

```
5 int main(void) {
```

```
6
```

```
7     printf("Hello, World!\n");
```

```
8
```

```
9     return 0;
```

```
10 }
```

```
11
```

What are the main features of this code?

# introduction to C programming

hello\_world.c ×

```
import > kamen > 5 > z5310517 > 24T2 > 1511 >  
1 // Basic Hello, World! program  
2  
3 #include <stdio.h>  
4  
5 int main(void) {  
6  
7     printf("Hello, World!\n");  
8  
9     return 0;  
10 }  
11
```

What are the main features of this code?

- header comment
- including standard library
- main function
- printing
- `\n` = new line
- `;`
- return statement



# introduction to C programming (cont.)

- how do I compile and run hello\_world.c?

# introduction to C programming (cont.)

- how do I compile and run hello\_world.c?
- compile:

**gcc hello\_world.c -o hello OR gcc -o hello hello\_world.c**

- run:

**./hello**

# introduction to C programming (cont.)

- let's print some faces!

# getting ready for the lab!

- we'll walk together to our lab room
- lab questions can be found on the course website
- due dates
- submission

**any questions?**