

Exercise Sheet 2

Warmup (optional):

Suppose the following lines are found in the main() function. What is wrong here?

a) `printf(enter a number:);`

corrected: `printf(„enter a number:“);`

b) `return "okay";`

technicaly correct due to the conversion that it will get converted into int but should be a int return

c) `void pause() { printf("PAUSE!"); }`

is correct

Exercise 2.1.

Are the following programmes correct and error free?

a)

```
int main()
{
    return 0;
}
```

correct

b)

```
#include <stdio.h>
int main()
{
    return 0;
    printf "there is something wrong!\n";
}
```

printf missing () and is after return so wont be executed

c)

```
#include <stdio.h>
int main(
){ printf
("how are you?"); return
0;}
```

horrible formating but will work

Exercise 2.2.

Write the declarations for the following, in a file source.c:

a) a global variable var of type long, which is defined in its own file, distinct from source.c

b) a global function gfunc() declared in its own file, distinct from source.c

c) a static function sfunc() declared in the same source file source.c

Both functions have no parameters and a return value of type double*

```
extern long var;  
  
extern double* gfunc();  
  
static double* sfunc();
```