

Header Files and Compiling Multiple Files

Michael Brodskiy

Professor: S. Shazli

April 5, 2023

- Advantages of multiple files
 - Reduce redundant work
 - Improve portability
 - Enhance performance
 - Partition work for collaboration
 - Save compilation time
- A header file is a file with extension `.h`
- Contains C/C++ definitions and functions
- Header files can contain:
 - All the constants

```
static const double PI = 3.14159
```

- Macros

```
#define PI 3.14159
```

- Function prototypes

```
void PrintMyStack()
```

- `struct` data structures definition
- System-wide global variables

- For a header file, it would be included using:

```
#include '<FILENAME>'
```

- We will later convert code from a single cpp file to headers and source files