# Operating Systems

September 2020 batch

Pintos Documentation

**Group Work:**

**Ammar Abdul Rahman S2000595**

**Aminath Muzuna  S2001493**

**Ahmend Affan  S1802035**

**Adham yoonus S2001297**

# System Calls

We have edited process.c, thread.h, syscall.c and process.h

The file is which was edited is "process.c" and can be found in the Pintos/userprog folder.

The function was modified was process_execute()


Thread.h, The location of the file is on Pintos/threads/thread.h

The function modified was  #ifdef USERPROG to #endif

Syscall.c, the location was on Pintos/userprog/syscall.c

The functions was edited was

- static bool remove(const char *);
- static unsigned tell(int);
- static void close(int);
- static void halt(void);
- static bool create(const char*, unsigned);
- static pid_t exec(const char *);
- static int write(int, const void *, unsigned);
- static void exit(int);
- static int wait(pid_t);
- static void seek(int, unsigned);
- static int filesize(int);
- static int open(const char *);
- static int read(int, void *, unsigned);

# Argument Passing

The file we modified was process.c

Location of this file is in Pintos/userprog/process.c

The function we modified was process_execute().

Code was added to allow the file name entered into to be divided into parts, with the first word being the program name and the adjacent words being the parameters given on to it.