

CSE 344 HW2 REPORT

Run the program : make run

Clean object files : make clean

My program takes an integer input from the user, according to that number, creates an array with the size user entered using malloc. Then the program creates two child processes using fork(). In the parent process, the program fills the fifos with the arrays. In child process 1, reads from fifo1 and writes the result to fifo2. In child process 2, reads from fifo 2, checks the command and calculates the result and prints. The program has a signal handler which takes care of the children exits.

```
melihsapmazz@MeliH:~/HW2$ make run
gcc -Wall -Wextra -c main.c
gcc -Wall -Wextra -o main main.o
./main
Enter the size of the array: 6
Proceeding...
Sum of numbers: 34
Total result: 10800
Child process 81150 exited with status 0
Child process 81151 exited with status 0
melihsapmazz@MeliH:~/HW2$ make run
./main
Enter the size of the array: 5
Proceeding...
Sum of numbers: 29
Total result: 3584
Child process 81199 exited with status 0
Proceeding...
Proceeding...
Child process 81200 exited with status 0
melihsapmazz@MeliH:~/HW2$ make clean
rm -f main main.o
melihsapmazz@MeliH:~/HW2$
```

Here is an example run scene from the terminal