Assignment 2_2 Output:
SIGUSR1 and SIGUSR2 are used to pass control between child and parent until the parent sends quit and waits for child to terminate.

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aryan@pop-os:~/assignment/signal$ gcc 201801015_signals_2.c
aryan@pop-os:~/assignment/signal$ ./a.out
Enter question number (0-3): 1
Sent question: In which university do you study?, to the child
Sending SIGUSR1 to the child
Child recieved SIGUSR1
Child read 34 bytes from the question: In which university do you study?
Sent answer: DAIICT, to the parent
Sending SIGUSR2 to the parent
Parent recieved SIGUSR2
Parent read 7 bytes from the answer: DAIICT
Enter question number (0-3): 2
Sent question: Which course are you studying?, to the child
Sending SIGUSR1 to the child
Child recieved SIGUSR1
Child read 31 bytes from the question: Which course are you studying?
Sent answer: Systems Software, to the parent
Sending SIGUSR2 to the parent
Parent recieved SIGUSR2
Parent read 17 bytes from the answer: Systems Software
Enter question number (0-3): 3
Sent question: What is your area of interest?, to the child
Sending SIGUSR1 to the child
Child recieved SIGUSR1
Child read 31 bytes from the question: What is your area of interest?
Sent answer: Kernel Programming, to the parent
Sending SIGUSR2 to the parent
Parent recieved SIGUSR2
Parent read 19 bytes from the answer: Kernel Programming
Enter question number (0-3): 0
Sent question: Quit, to the child
Sending SIGUSR1 to the child
Child recieved SIGUSR1
Child read 5 bytes from the question: Quit
Sent answer: Quit, to the parent
Sending SIGUSR2 to the parent
Child exits
Parent recieved SIGUSR2
Parent read 5 bytes from the answer: Quit
Parent exits
aryan@pop-os:~/assignment/signal$
```