Dumping Process: PID 0

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 0 0 0 0 0 0 0 0 0

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

0 0 66000 1 0 0 0 0 0 0 0

10 0 0 0 0 0 0 0 0 0 0

20 0 0 0 0 0 0 0 0 0 0

30 0 0 0 0 0 0 0 0 0 0

40 0 0 0 0 0 0 0 0 0 0

50 0 0 0 0 0 0 0 0 0 0

60 0 0 0 0 0 0 0 0 0 0

70 0 0 0 0 0 0 0 0 0 0

80 0 0 0 0 0 0 0 0 0 0

90 0 0 0 0 0 0 0 0 0 0

100 0 0 0 0 0 0 0 0 0 0

110 0 0 0 0 0 0 0 0 0 0

120 0 0 0 0 0 0 0 0 0 0

130 0 0 0 0 0 0 0 0 0 0

140 0 0 0 0 0 0 0 0 0 0

150 0 0 0 0 0 0 0 0 0 0

160 0 0 0 0 0 0 0 0 0 0

170 0 0 0 0 0 0 0 0 0 0

180 0 0 0 0 0 0 0 0 0 0

190 0 0 0 0 0 0 0 0 0 0

Clock: 0 PSR: 0

PCB Address: 7000, Next PCB Pointer: -1, PID: 0, PC: 1, SP: 3000

Priority = 0, Stack info: Start address: 3000, Size: 10

GPRs: 0, 0, 0, 0, 0, 0, 0, 0, 0

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

1

Interrupt ID inputted: 1

Please enter the filename:

prog1.txt

Dumping Process: PID 1

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 0 0 0 0 0 0 0 0 0

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

0 0 66000 1 0 4 3 150 51260 150 126000

10 4 53150 4 15050 4 5 35060 4 -1 53150

20 4 25060 6 1 85000 6 13 126000 5 0

30 0 0 0 0 0 0 0 0 0 0

40 0 0 0 0 0 0 0 0 0 0

50 0 0 0 0 0 0 0 0 0 0

60 0 0 0 0 0 0 0 0 0 0

70 0 0 0 0 0 0 0 0 0 0

80 0 0 0 0 0 0 0 0 0 0

90 0 0 0 0 0 0 0 0 0 0

100 0 0 0 0 0 0 0 0 0 0

110 0 0 0 0 0 0 0 0 0 0

120 0 0 0 0 0 0 0 0 0 0

130 0 0 0 0 0 0 0 0 0 0

140 0 0 0 0 0 0 0 0 0 0

150 0 0 0 0 0 0 0 0 0 0

160 0 0 0 0 0 0 0 0 0 0

170 0 0 0 0 0 0 0 0 0 0

180 0 0 0 0 0 0 0 0 0 0

190 0 0 0 0 0 0 0 0 0 0

Clock: 0 PSR: 0

PCB Address: 7020, Next PCB Pointer: -1, PID: 1, PC: 7, SP: 3010

Priority = 128, Stack info: Start address: 3010, Size: 10

GPRs: 0, 0, 0, 0, 0, 0, 0, 0, 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

System Call ID: 4

System Call Name: Memory Allocation

Memory Allocation System Call:

GPR0: 0

GPR1: 3020

GPR2: 150

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3031 150 0 0 0 0 0 3010 19

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 0 0 0 0 0 0 0 0 0

3040 0 0 0 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 0 0 0 0 0 0 0 0 0 0

3190 0 0 0 0 0 0 0 0 0 0

3200 0 0 0 0 0 0 0 0 0 0

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 205 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

1

Interrupt ID inputted: 1

Please enter the filename:

prog3.txt

Dumping Process: PID 2

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3031 150 0 0 0 0 0 3010 19

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

0 0 66000 1 0 -7 3 140 51260 150 126000

10 4 53150 4 15050 4 5 35060 4 -1 53150

20 4 25060 6 1 85000 6 13 126000 5 0

30 0 0 0 0 0 0 0 0 0 0

40 0 0 0 0 0 0 0 0 0 0

50 0 0 0 0 0 0 0 0 0 0

60 0 0 0 0 0 0 0 0 0 5

70 51260 9 126000 4 51311 126000 8 53310 25060 69

80 1 85000 69 75 55060 69 5 51311 51033 126000

90 9 25060 69 1 85000 69 88 126000 5 0

100 0 0 0 0 0 0 0 0 0 0

110 0 0 0 0 0 0 0 0 0 0

120 0 0 0 0 0 0 0 0 0 0

130 0 0 0 0 0 0 0 0 0 0

140 0 0 0 0 0 0 0 0 0 0

150 0 0 0 0 0 0 0 0 0 0

160 0 0 0 0 0 0 0 0 0 0

170 0 0 0 0 0 0 0 0 0 0

180 0 0 0 0 0 0 0 0 0 0

190 0 0 0 0 0 0 0 0 0 0

Clock: 205 PSR: 2

PCB Address: 7040, Next PCB Pointer: -1, PID: 2, PC: 70, SP: 3170

Priority = 128, Stack info: Start address: 3170, Size: 10

GPRs: 0, 0, 0, 0, 0, 0, 0, 0, 0

RQ Before CPU Scheduling:

7040

7020

7000

WQ Before CPU Scheduling:

Running Process: 7040

System Call ID: 4

System Call Name: Memory Allocation

Memory Allocation System Call:

GPR0: 0

GPR1: 3180

GPR2: 9

System Call ID: 8

System Call Name: Input Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3180 9 3180 0 0 0 0 3170 77

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 0 0 0 0 0 0 0 0 0

3040 0 0 0 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 0

3200 0 0 0 0 0 0 0 0 0 0

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 233 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

1

Interrupt ID inputted: 1

Please enter the filename:

prog3.txt

Dumping Process: PID 3

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3180 9 3180 0 0 0 0 3170 77

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

0 0 66000 1 0 -7 3 140 51260 150 126000

10 4 53150 4 15050 4 5 35060 4 -1 53150

20 4 25060 6 1 85000 6 13 126000 5 0

30 0 0 0 0 0 0 0 0 0 0

40 0 0 0 0 0 0 0 0 0 0

50 0 0 0 0 0 0 0 0 0 0

60 0 0 0 0 0 0 0 0 0 5

70 51260 9 126000 4 51311 126000 8 53310 25060 69

80 1 85000 69 75 55060 69 5 51311 51033 126000

90 9 25060 69 1 85000 69 88 126000 5 0

100 0 0 0 0 0 0 0 0 0 0

110 0 0 0 0 0 0 0 0 0 0

120 0 0 0 0 0 0 0 0 0 0

130 0 0 0 0 0 0 0 0 0 0

140 0 0 0 0 0 0 0 0 0 0

150 0 0 0 0 0 0 0 0 0 0

160 0 0 0 0 0 0 0 0 0 0

170 0 0 0 0 0 0 0 0 0 0

180 0 0 0 0 0 0 0 0 0 0

190 0 0 0 0 0 0 0 0 0 0

Clock: 233 PSR: 2

PCB Address: 7060, Next PCB Pointer: -1, PID: 3, PC: 70, SP: 3189

Priority = 128, Stack info: Start address: 3189, Size: 10

GPRs: 0, 0, 0, 0, 0, 0, 0, 0, 0

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

7040

Running Process: 7060

System Call ID: 4

System Call Name: Memory Allocation

Memory Allocation System Call:

GPR0: 0

GPR1: 3199

GPR2: 9

System Call ID: 8

System Call Name: Input Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3199 9 3199 0 0 0 0 3189 77

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 0 0 0 0 0 0 0 0 0

3040 0 0 0 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 -1

3200 3801 0 0 0 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 261 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

3

Interrupt ID inputted: 3

Please enter the PID of the process:

2

Invalid PID: 2, please enter valid PID

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

7060

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3043 150 0 0 0 0 0 3010 21

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 -1

3200 3801 0 0 0 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 461 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

3

Interrupt ID inputted: 3

Please enter the PID of the process:

3

Please enter a character (A-Z):

b

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 8

System Call Name: Input Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

98 3199 9 3200 0 0 0 0 3189 77

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 3801 0 0 0 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 482 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

3

Interrupt ID inputted: 3

Please enter the PID of the process:

3

Please enter a character (A-Z):

a

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 8

System Call Name: Input Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

97 3199 9 3201 0 0 0 0 3189 77

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 0 0 0 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 503 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

3

Interrupt ID inputted: 3

Please enter the PID of the process:

3

Please enter a character (A-Z):

e

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 8

System Call Name: Input Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

101 3199 9 3202 0 0 0 0 3189 77

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 101 0 0 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 524 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

3

Interrupt ID inputted: 3

Please enter the PID of the process:

3

Please enter a character (A-Z):

g

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 8

System Call Name: Input Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

103 3199 9 3203 0 0 0 0 3189 77

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 101 103 0 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 545 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

3

Interrupt ID inputted: 3

Please enter the PID of the process:

3

Please enter a character (A-Z):

h

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 9

System Call Name: Output Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

98 3199 9 3200 0 0 0 0 3189 91

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 572 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

4

Interrupt ID inputted: 4

Please enter the PID:

3

System Call Output: b

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 9

System Call Name: Output Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

97 3199 9 3201 0 0 0 0 3189 91

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 593 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

4

Interrupt ID inputted: 4

Please enter the PID:

3

System Call Output: a

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 9

System Call Name: Output Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

101 3199 9 3202 0 0 0 0 3189 91

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 614 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

4

Interrupt ID inputted: 4

Please enter the PID:

3

System Call Output: e

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 9

System Call Name: Output Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

103 3199 9 3203 0 0 0 0 3189 91

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 635 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

4

Interrupt ID inputted: 4

Please enter the PID:

3

System Call Output: g

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 9

System Call Name: Output Interrupt

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

104 3199 9 3204 0 0 0 0 3189 91

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 98

3200 97 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 656 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

4

Interrupt ID inputted: 4

Please enter the PID:

3

System Call Output: h

RQ Before CPU Scheduling:

7060

7020

7000

WQ Before CPU Scheduling:

Running Process: 7060

System Call ID: 5

System Call Name: Memory Free

Memory Free System Call:

GPR0: 0

GPR1: 3199

GPR2: 9

Halt Encountered

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3199 9 3204 0 0 0 0 3189 100

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 0 0 0 0 0 0 0

3050 0 0 0 0 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 3811 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 687 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3054 150 0 0 0 0 0 3010 24

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 0 0 0 0 0 0

3060 0 0 0 0 0 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 888 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3065 150 0 0 0 0 0 3010 13

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 0 0 0 0 0

3070 0 0 0 0 0 0 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 1090 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3076 150 0 0 0 0 0 3010 16

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 0 0 0 0

3080 0 0 0 0 0 0 0 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 1291 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3087 150 0 0 0 0 0 3010 19

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 0 0 0

3090 0 0 0 0 0 0 0 0 0 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 1495 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3099 150 0 0 0 0 0 3010 21

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 0

3100 0 0 0 0 0 0 0 0 0 0

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 1695 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3110 150 0 0 0 0 0 3010 24

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 0 0 0 0 0 0 0 0 0 0

3120 0 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 1896 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3121 150 0 0 0 0 0 3010 13

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 4 -7 4 -7 4 -7 4 -7 4 -7

3120 4 0 0 0 0 0 0 0 0 0

3130 0 0 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 2098 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3132 150 0 0 0 0 0 3010 16

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 4 -7 4 -7 4 -7 4 -7 4 -7

3120 4 -7 4 -7 4 -7 4 -7 4 -7

3130 4 -7 0 0 0 0 0 0 0 0

3140 0 0 0 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 2299 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3143 150 0 0 0 0 0 3010 19

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 4 -7 4 -7 4 -7 4 -7 4 -7

3120 4 -7 4 -7 4 -7 4 -7 4 -7

3130 4 -7 4 -7 4 -7 4 -7 4 -7

3140 4 -7 4 0 0 0 0 0 0 0

3150 0 0 0 0 0 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 2503 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3155 150 0 0 0 0 0 3010 21

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 4 -7 4 -7 4 -7 4 -7 4 -7

3120 4 -7 4 -7 4 -7 4 -7 4 -7

3130 4 -7 4 -7 4 -7 4 -7 4 -7

3140 4 -7 4 -7 4 -7 4 -7 4 -7

3150 4 -7 4 -7 4 0 0 0 0 0

3160 0 0 0 0 0 0 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 2703 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3166 150 0 0 0 0 0 3010 24

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 4 -7 4 -7 4 -7 4 -7 4 -7

3120 4 -7 4 -7 4 -7 4 -7 4 -7

3130 4 -7 4 -7 4 -7 4 -7 4 -7

3140 4 -7 4 -7 4 -7 4 -7 4 -7

3150 4 -7 4 -7 4 -7 4 -7 4 -7

3160 4 -7 4 -7 4 -7 0 0 0 0

3170 -1 3830 0 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 2904 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7020

7000

WQ Before CPU Scheduling:

Running Process: 7020

System Call ID: 5

System Call Name: Memory Free

Memory Free System Call:

GPR0: 0

GPR1: 3171

GPR2: 150

Halt Encountered

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 3171 150 0 0 0 0 0 3010 30

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 3990 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 4 -7 4 -7 4 -7 4 -7 4 -7

3120 4 -7 4 -7 4 -7 4 -7 4 -7

3130 4 -7 4 -7 4 -7 4 -7 4 -7

3140 4 -7 4 -7 4 -7 4 -7 4 -7

3150 4 -7 4 -7 4 -7 4 -7 4 -7

3160 4 -7 4 -7 4 -7 4 -7 4 -7

3170 4 -1 150 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 3022 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

0

Interrupt ID inputted: 0

RQ Before CPU Scheduling:

7000

WQ Before CPU Scheduling:

Running Process: 7000

Dynamic Memory Area after Executing Program

GPRs: G0 G1 G2 G3 G4 G5 G6 G7 SP PC

0 0 0 0 0 0 0 0 3000 1

Address: +0 +1 +2 +3 +4 +5 +6 +7 +8 +9

3000 -1 4000 0 0 0 0 0 0 0 0

3010 -1 10 0 0 0 0 0 0 0 0

3020 4 -7 4 -7 4 -7 4 -7 4 -7

3030 4 -7 4 -7 4 -7 4 -7 4 -7

3040 4 -7 4 -7 4 -7 4 -7 4 -7

3050 4 -7 4 -7 4 -7 4 -7 4 -7

3060 4 -7 4 -7 4 -7 4 -7 4 -7

3070 4 -7 4 -7 4 -7 4 -7 4 -7

3080 4 -7 4 -7 4 -7 4 -7 4 -7

3090 4 -7 4 -7 4 -7 4 -7 4 -7

3100 4 -7 4 -7 4 -7 4 -7 4 -7

3110 4 -7 4 -7 4 -7 4 -7 4 -7

3120 4 -7 4 -7 4 -7 4 -7 4 -7

3130 4 -7 4 -7 4 -7 4 -7 4 -7

3140 4 -7 4 -7 4 -7 4 -7 4 -7

3150 4 -7 4 -7 4 -7 4 -7 4 -7

3160 4 -7 4 -7 4 -7 4 -7 4 -7

3170 4 -1 150 0 0 0 0 0 0 0

3180 -1 3820 0 0 0 0 0 0 0 -1

3190 10 0 0 0 0 0 0 0 0 -1

3200 9 101 103 104 0 0 0 0 -1 3792

3210 0 0 0 0 0 0 0 0 0 0

3220 0 0 0 0 0 0 0 0 0 0

3230 0 0 0 0 0 0 0 0 0 0

3240 0 0 0 0 0 0 0 0 0 0

Clock: 3222 PSR: 2

Possible interrupt IDs:

0 - No Interrupt

1 - Run Program

2 - Shutdown System

3 - Input Operation Completion

4 - Output Operation Completion

Please enter the interrupt ID:

2

Interrupt ID inputted: 2