This is Simulation Version 4.20 and Hardware Version 4.20.

Program called with 2 arguments: z502.exe test1b

Calling with argument 'sample' executes the sample program.

Simulation is running as a UniProcessor

Add an 'M' to the command line to invoke multiprocessor operation.

process\_name: test1b

process\_to\_run: 12652854

test1b priority validated

validating process\_names

Number of processes already created: 0

PID: 1, process\_context: 13017664 initialized successfully with 10811432

13017664 initial ready position: 1 count\_ready\_queue: 1

ready\_position: 1 process\_name: test1b

starting context for: test1b

This is Release 4.20: Test 1b

SVC handler: create

Arg 0: Contents = (Decimal) 12789344, (Hex) C32660

Arg 1: Contents = (Decimal) 12652944, (Hex) C11190

Arg 2: Contents = (Decimal) -3, (Hex) FFFFFFFD

Arg 3: Contents = (Decimal) 20118348, (Hex) 132FB4C

Arg 4: Contents = (Decimal) 20118320, (Hex) 132FB30

Came in SVC Create Process Block

Priority assigned is incorrect. Error Number: -16

-16

Exiting!!! As error has occurred

ErrorReturned in SVC: -16

-16

Exiting!!! As error has occurred

test1b: -16

Program correctly returned an error: -16

SVC handler: create

Arg 0: Contents = (Decimal) 12789384, (Hex) C32688

Arg 1: Contents = (Decimal) 12652944, (Hex) C11190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 20118336, (Hex) 132FB40

Arg 4: Contents = (Decimal) 20118320, (Hex) 132FB30

Came in SVC Create Process Block

two\_the\_same priority validated

validating process\_names

Number of processes already created: 1

PID: 2, process\_context: 13147664 initialized successfully with 20118336

13147664 initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: two\_the\_same

initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: two\_the\_same

ErrorReturned in SVC: 0

context returned: 13147664

Program correctly returned success.

SVC handler: create

Arg 0: Contents = (Decimal) 12789440, (Hex) C326C0

Arg 1: Contents = (Decimal) 12652944, (Hex) C11190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 20118348, (Hex) 132FB4C

Arg 4: Contents = (Decimal) 20118320, (Hex) 132FB30

Came in SVC Create Process Block

two\_the\_same priority validated

validating process\_names

-19

Exiting!!! As error has occurred

ErrorReturned in SVC: -19

-19

Exiting!!! As error has occurred

Program correctly returned an error: -19

SVC handler: term\_proc

Arg 0: Contents = (Decimal) 13147664, (Hex) C89E10

Arg 1: Contents = (Decimal) 20118320, (Hex) 132FB30

entered terminate process correctly

in Terminate switch case

system argument 0: 13147664, 13147664

entered pop

process context to pop: 13147664

process context: 13147664 popped out of PCB successfully

Program correctly returned success.

Creating process "Test1b\_1"

SVC handler: create

Arg 0: Contents = (Decimal) 20118284, (Hex) 132FB0C

Arg 1: Contents = (Decimal) 12652944, (Hex) C11190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 20118348, (Hex) 132FB4C

Arg 4: Contents = (Decimal) 20118320, (Hex) 132FB30

Came in SVC Create Process Block

Test1b\_1 priority validated

validating process\_names

Number of processes already created: 1

PID: 2, process\_context: 13146368 initialized successfully with 20118348

13146368 initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: Test1b\_1

initial ready position: 1 count\_ready\_queue: 2

ready\_position: 1 process\_name: test1b

ready\_position: 2 process\_name: Test1b\_1

ErrorReturned in SVC: 0

ErrorReturned in test1b: 0

Creating process "Test1b\_2"

SVC handler: create

Arg 0: Contents = (Decimal) 20118284, (Hex) 132FB0C

Arg 1: Contents = (Decimal) 12652944, (Hex) C11190

Arg 2: Contents = (Decimal) 10, (Hex) A

Arg 3: Contents = (Decimal) 20118348, (Hex) 132FB4C

Arg 4: Contents = (Decimal) 20118320, (Hex) 132FB30

Came in SVC Create Process Block

Test1b\_2 priority validated

validating process\_names

Number of processes already created: 2

validating count -20

-20

Exiting!!! As error has occurred

ErrorReturned in SVC: -20

-20

Exiting!!! As error has occurred

ErrorReturned in test1b: -20

Program correctly returned an error: -20

2 processes were created in all.

SVC handler: get\_pid

Arg 0: Contents = (Decimal) 12810201, (Hex) C377D9

Arg 1: Contents = (Decimal) 20118336, (Hex) 132FB40

Arg 2: Contents = (Decimal) 20118320, (Hex) 132FB30

Program correctly returned success.

The PID of this process is 13146368

SVC handler: get\_pid

Arg 0: Contents = (Decimal) 20118284, (Hex) 132FB0C

Arg 1: Contents = (Decimal) 20118348, (Hex) 132FB4C

Arg 2: Contents = (Decimal) 20118320, (Hex) 132FB30

Program correctly returned success.

The PID of target process is 13146368

SVC handler: get\_pid

Arg 0: Contents = (Decimal) 12789724, (Hex) C327DC

Arg 1: Contents = (Decimal) 20118348, (Hex) 132FB4C

Arg 2: Contents = (Decimal) 20118320, (Hex) 132FB30

Program correctly returned an error: -21

SVC handler: get\_time

Arg 0: Contents = (Decimal) 20118308, (Hex) 132FB24

Time of the day: 168

Test1b, PID 13146368, Ends at Time 168

ERROR: Simulation did not end correctly