



<section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>









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Eault in the Text

 • When we branch to the beginning of "main" we get a page fault

 • So the OS copies the first page of the TEXT of main to a free page in memory









Grow the stack

Now our program needs more stack space

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Perhaps it has to call a recursive function to transverse a complex data structure

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 Or perhaps the user declares an "automatic" array like double work[1000]; which needs 8000 bytes of memory









Exit	
 Finally our program exits It calls the "exit" system call to notify the OS that it is done The OS cleans puts the memory back on the free list Cleans up the PAGE TABLE and PROCESS TABLE And goes on about its business 	
What does the OS do when no programs are ready?	
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