

Question #1 (5 Points): Given the following C program. Answer the questions below.

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N. K.
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```
#include <sys/types.h>
#include <stdio.h>
#include <unistd.h>
int main()

{
         pid_t pid = fork();
         if (pid == 0) {
              printf("Parent Process\n");
         }
         else if (pid > 0) {
              printf("Child Process\n");
         }
         fork();
         fork();
         // Line A

return 0;
}
```

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A. (3 Points) What is the out		
Parent Proce	put of this program?	
child bear	ii /	
B. (2 Points) v		
B. (2 Points) How many pro	cesses are created at line	A2
δ		
Question #2 (5 Points):		
A. (2 Points) In a multithr	eaded process	
A. (2 Points) In a multithreaded process, which of the following components are shared across all threads of the process, and which components are thread-specific: (code, files, registers, and pc)		
		(code, files, registers, and pc)
	Shared Components	Thread Specific Components
	Tiles/	registers PC
B. (3 Points) What is the difference between data-level parallelism and task-level parallelism?		
Mainly, the difference between data-level parallelism and task-level parallelism?  In the large that the difference is the difference		
In the level that the the sterior or ellelism.		
at multi-cores, to distribute I the same data		
in task the mid there is the all of them but		
witheach thread having adifferent tast		
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