

22bps1059

*lab* - 3

*first*

<pre>1 #include &lt;stdio.h&gt; 2 3 int main() { 4     fork(); /* W: implicit declaration of function 'fork' [-W 5     printf("%d\n", getpid()); /* W: implicit declaration of fu 6 }</pre>	<pre>~/coding/os/22bps1059 &gt; ./one 116062 116064 ~/coding/os/22bps1059 &gt;  </pre>
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*second*

<pre>1 #include &lt;stdio.h&gt; 2 3 int main() { 4     int a = 14; int b = 3; 5     int p1 = fork(); /* W: implicit declaration of function ' 6     int p2 = fork(); 7     if(!p1 &amp;&amp; p2) { 8         printf("this is %d, child of %d\n", getpid(), getppid( 9         )); /* W: implicit declaration of function 'getppid' [-Wim 10        printf("sum of %d and %d is %d\n",a,b,a+b); 11    } 12    else if (p1 &amp;&amp; !p2) { 13        printf("this is %d, child of %d\n", getpid(), getppid( 14    )); 15    printf("product of %d and %d is %d\n",a,b,a*b); 16    } 17    printf("\n"); 18 }</pre>	<pre>~/coding/os/22bps1059 &gt; ./one this is 198009, child of 198006 product of 14 and 3 is 42  this is 198008, child of 198006 sum of 14 and 3 is 17  ~/coding/os/22bps1059 &gt;  </pre>
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*third*

<pre>1 #include &lt;stdio.h&gt; 2 3 int main() { 4     char *command = "cat"; 5     char *args[] = {command,"file.txt",NULL}; 6     int pid = fork(); /* W: implicit declaration of function ' 7     if(pid&gt;0) 8         execvp(command, args); /* W: implicit declaration of f 9     return 0; 10 }</pre>	<pre>~/coding/os/22bps1059 &gt; ./two This is a file with several lines of text in it  ~/coding/os/22bps1059 &gt;  </pre>
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*fourth*

<pre>1 #include &lt;stdio.h&gt; 2 int main() { 3     int p1 = fork(); /* W: implicit declaration of function ' 4     int p2 = fork(); 5     if(!p1 &amp;&amp; p2) { 6         printf("Writing to filename.txt\n"); 7         char *command = "./threebin"; 8         char *args[] = {command,NULL}; 9         execvp(command, args); /* W: implicit declaration of f 10    } 11    else if (p1 &amp;&amp; !p2) { 12        char *command = "cat"; 13        char *args[] = {command,"urregno.txt",NULL}; 14        execvp(command, args); 15    } return 0; 16 }</pre>	<pre>1 #include &lt;stdio.h&gt; 2 int main() { 3     FILE *file = fopen("urregno.txt","w"); 4     if(file==NULL) { 5         printf("failed to open file\n"); 6         return 1; 7     } 8     fprintf(file,"22BPS1059!\n"); 9     fclose(file); 10    printf("written to file \n"); 11    return 0; 12 }</pre> <pre>threebin.c  ~/coding/os/22bps1059 &gt; ./three 08/1 Writing to filename.txt written to file 22BPS1059!</pre>
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