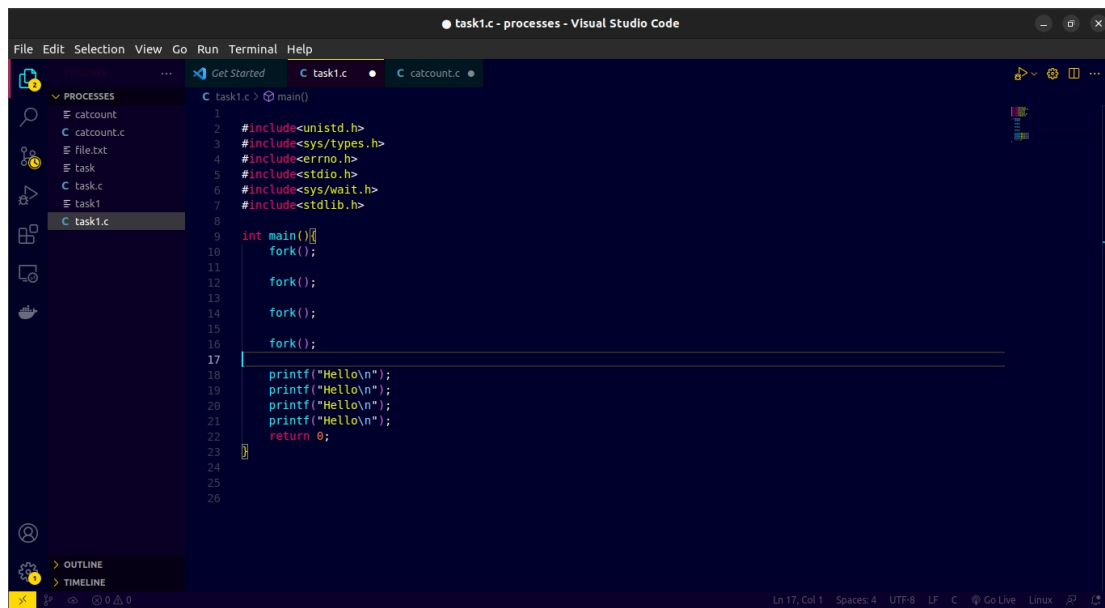


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## TASK 1



The screenshot shows the Visual Studio Code interface with a C file named `task1.c` open. The file contains a program that forks four child processes, each of which prints "Hello\n".

```
1  #include<unistd.h>
2  #include<sys/types.h>
3  #include<errno.h>
4  #include<stdio.h>
5  #include<sys/wait.h>
6  #include<stdlib.h>
7
8
9  int main()
10 {
11     fork();
12     fork();
13     fork();
14     fork();
15
16
17     printf("Hello\n");
18     printf("Hello\n");
19     printf("Hello\n");
20     printf("Hello\n");
21     return 0;
22 }
```

A screenshot of a code editor window titled "output.txt" with a file icon and a "Save" button. The editor has several tabs open: "manipulating.c", "manipulating.c", "manipulating.c", "output.txt" (active), "argv.c", "execl.c", and "execp.c". The active tab displays the first 30 lines of a file, each containing the text "Hello" preceded by a line number from 1 to 30. The status bar at the bottom indicates "Plain Text", "Tab Width: 8", "Ln 6, Col 6", and "INS".

```
1 Hello
2 Hello
3 Hello
4 Hello
5 Hello
6 Hello
7 Hello
8 Hello
9 Hello
10 Hello
11 Hello
12 Hello
13 Hello
14 Hello
15 Hello
16 Hello
17 Hello
18 Hello
19 Hello
20 Hello
21 Hello
22 Hello
23 Hello
24 Hello
25 Hello
26 Hello
27 Hello
28 Hello
29 Hello
30 Hello
```

A screenshot of the same code editor window, showing lines 31 to 60 of the "output.txt" file. Each line contains the text "Hello" preceded by its corresponding line number. The status bar at the bottom remains the same: "Plain Text", "Tab Width: 8", "Ln 6, Col 6", and "INS".

```
31 Hello
32 Hello
33 Hello
34 Hello
35 Hello
36 Hello
37 Hello
38 Hello
39 Hello
40 Hello
41 Hello
42 Hello
43 Hello
44 Hello
45 Hello
46 Hello
47 Hello
48 Hello
49 Hello
50 Hello
51 Hello
52 Hello
53 Hello
54 Hello
55 Hello
56 Hello
57 Hello
58 Hello
59 Hello
60 Hello
```

The image shows a code editor window with a dark theme. The title bar at the top indicates the current file is `output.txt` located in the `~/` directory. The editor has several tabs open: `manipulating.c` (three instances), `output.txt` (active), `argv.c`, `execl.c`, and `execp.c`. The `output.txt` tab is selected, showing 35 lines of text, each consisting of a line number followed by the word "Hello". The status bar at the bottom indicates the editor is in "Plain Text" mode, with a tab width of 8, and the cursor is at line 6, column 6.

```
35 Hello
36 Hello
37 Hello
38 Hello
39 Hello
40 Hello
41 Hello
42 Hello
43 Hello
44 Hello
45 Hello
46 Hello
47 Hello
48 Hello
49 Hello
50 Hello
51 Hello
52 Hello
53 Hello
54 Hello
55 Hello
56 Hello
57 Hello
58 Hello
59 Hello
60 Hello
61 Hello
62 Hello
63 Hello
64 Hello
65
```

Plain Text ▾ Tab Width: 8 ▾ Ln 6, Col 6 ▾ INS