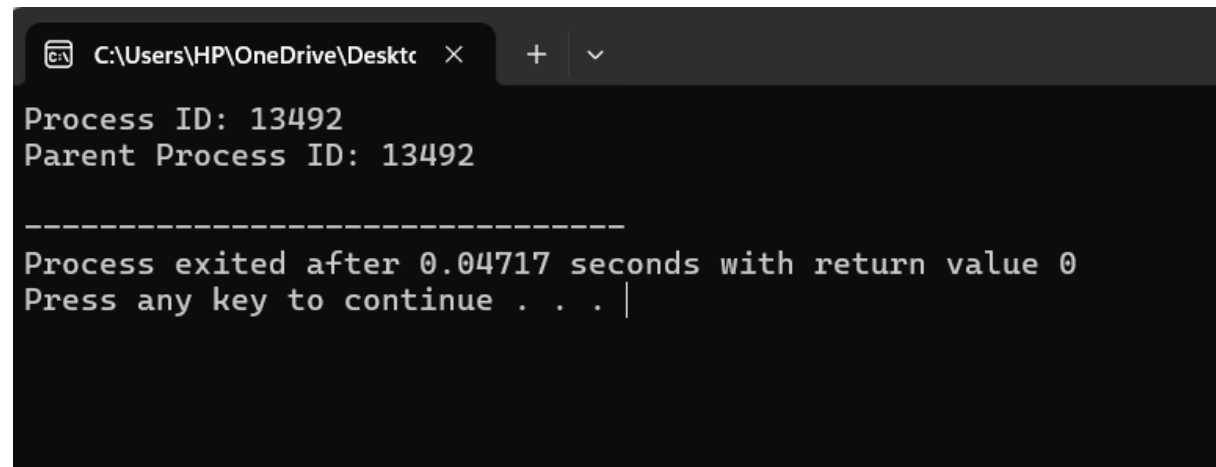


1. Create a new process by invoking the appropriate system call. Get the process identifier of the currently running process and its respective parent using system calls and display the same using a C program.

PROGRAM :

```
#include<stdio.h>
#include<unistd.h>
int main()
{
    printf("Process ID: %d\n", getpid() );
    printf("Parent Process ID: %d\n", getpid() );
    return 0;
}
```

OUTPUT :



The screenshot shows a Windows command prompt window with a dark background. The title bar at the top indicates the file path 'C:\Users\HP\OneDrive\Desktop'. The output of the program is displayed in white text: 'Process ID: 13492' followed by 'Parent Process ID: 13492'. A horizontal dashed line separates this from the final output: 'Process exited after 0.04717 seconds with return value 0' and 'Press any key to continue . . . |'.

```
C:\Users\HP\OneDrive\Desktop >
Process ID: 13492
Parent Process ID: 13492
-----
Process exited after 0.04717 seconds with return value 0
Press any key to continue . . . |
```