

```
#include <stdio.h>
#include <sys/types.h>
#include <sys/wait.h>
#include <unistd.h>

int main() {
    pid_t child_pid = fork();

    if (child_pid < 0) {
        perror("Fork failed");
        return 1;
    }

    if (child_pid == 0) {
        // Child process
        execl("./bs", "5", "12", "3", "9", "7", "1", (char *)NULL);
        perror("execl failed"); // This line will be reached only if execl fails
        return 1;
    } else {
        // Parent process
        wait(NULL); // Wait for the child process to finish
        printf("Child process executed.\n");
    }

    return 0;
}
```

=====OUTPUT=====

```
(ghost kali)-[~/OS]
$ ./a.out
Sorted array: 1 3 7 9 12
Enter the search term: 9
Search term 9 found at index 3
Child process executed.
```

```
(ghost kali)-[~/OS]
$
```