Implement the C program in which the child process calculates the sum of odd numbers and the parent process calculate the sum of even numbers up to the number ‘n’.

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

int main(int argc, char* argv[]) {
 int n;
 pid_t pid;
 int odd_sum = 0;
 int even_sum = 0;

 // Read the value of n from the command line
 if (argc < 2 || (n = atoi(argv[1])) < 0) {
  fprintf(stderr, "Usage: %s n\n", argv[0]);
  return 1;
 }

 // Create a child process
 pid = fork();

 if (pid == -1) {
  // Error occurred during fork()
  perror("fork");
  return 1;
 } else if (pid == 0) {
  // This is the child process
  // Calculate the sum of odd numbers
  for (int i = 1; i <= n; i += 2) {
   odd_sum += i;
  }
```

```
    printf("Sum of odd numbers: %d\n", odd_sum);
  } else {
    // This is the parent process
    // Calculate the sum of even numbers
    for (int i = 0; i <= n; i += 2) {
      even_sum += i;
    }

    printf("Sum of even numbers: %d\n", even_sum);
    wait(NULL); // Wait for the child process to finish
  }

  return 0;
}
```