

Gcc = 11.3.0

1) gcc Q1.c -o Q1

What value is the variable in the child process?

The value is the same in both the parent and child.

What happens to the variable when both the child and parent change the value of x?

They both change the value and print their version of the variable.

2) gcc Q2.c -o Q2

Can both the child and parent access the file descriptor returned by open()?

Yes

What happens when they are writing to the file concurrently, i.e., at the same time?

They both add to separate lines of the file.

3) gcc Q3.c -o Q3

can you do this without calling wait() in the parent?

Yes, but it's better to use wait.

5) gcc Q5.c -o Q5

What does wait() return?

an int

What happens if you use wait() in the child?

It returns a negative 1 as its return value.

6) gcc Q6.c -o Q6

When would waitpid() be useful?

When multiple child programs exist

7) gcc Q7.c -o Q7

What happens if the child calls printf() to print some output after closing the descriptor?

The child has no output.