

Q1

```
iuser@iuser-virtual-machine:~/Desktop/Asjad$ gcc -o parent parent.c
iuser@iuser-virtual-machine:~/Desktop/Asjad$ ./parent
0
2
4
6
8
10
12
14
16
18
iuser@iuser-virtual-machine:~/Desktop/Asjad$
```

Q2

```
iuser@iuser-virtual-machine:~/Desktop/Asjad$ gcc -o file_process file_process.c
iuser@iuser-virtual-machine:~/Desktop/Asjad$ ./file_process
Hellooooooo!
My name is Asjaddddd Razaaaaaa
iuser@iuser-virtual-machine:~/Desktop/Asjad$
```

Q3

```
iuser@iuser-virtual-machine:~/Desktop/Asjad$ gcc -o q3 q3.c
iuser@iuser-virtual-machine:~/Desktop/Asjad$ ./q3
I am Child 2.
My PID is: 7953
My Parent's PID is: 7952
I am Child 1.
My PID is: 7952
My Parent's PID is: 7738
I am Grand Child 1.
My PID is: 7954
My Parent's PID is: 7952
I am Grand Child 2.
My PID is: 7952
My Parent's PID is: 7738
iuser@iuser-virtual-machine:~/Desktop/Asjad$
```

Q4

This console output is read from the file

```
iuser@iuser-virtual-machine:~/Desktop/Asjad$ gcc -o q4 q4.c
iuser@iuser-virtual-machine:~/Desktop/Asjad$ ./q4
total 112
-rwxrwxr-x 1 iuser iuser 15960 14:39 20 فروري even
-rw-rw-r-- 1 iuser iuser 139 14:39 20 فروري even.c
-rwxrwxr-x 1 iuser iuser 16360 15:06 20 فروري file_process
-rw-rw-r-- 1 iuser iuser 997 15:06 20 فروري file_process.c
-rw-rw-r-- 1 iuser iuser 44 15:06 20 فروري file.txt
-rw-r--r-- 1 iuser iuser 726 15:23 20 فروري output.txt
-rwxrwxr-x 1 iuser iuser 16128 14:52 20 فروري parent
-rw-rw-r-- 1 iuser iuser 478 14:52 20 فروري parent.c
-rwxrwxr-x 1 iuser iuser 16216 15:12 20 فروري q3
-rw-rw-r-- 1 iuser iuser 1220 15:13 20 فروري q3.c
-rwxrwxr-x 1 iuser iuser 16472 15:24 20 فروري q4
-rw-rw-r-- 1 iuser iuser 1043 15:24 20 فروري q4.c
iuser@iuser-virtual-machine:~/Desktop/Asjad$
```

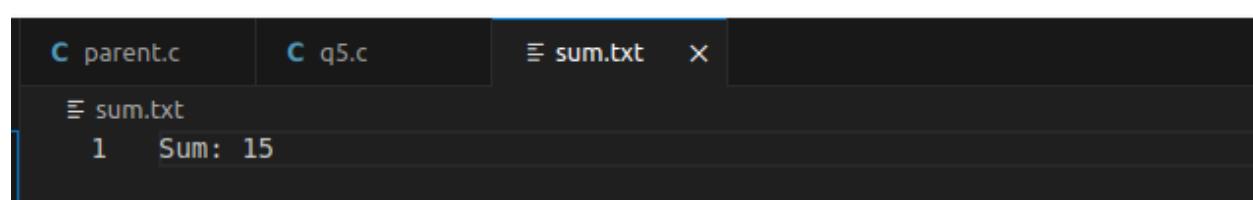
File contents:

```
≡ output.txt
1 total 112
2 -rwxrwxr-x 1 iuser iuser 15960 20 14:39 فروري even
3 -rw-rw-r-- 1 iuser iuser 139 20 14:39 فروري even.c
4 -rwxrwxr-x 1 iuser iuser 16360 20 15:06 فروري file_process
5 -rw-rw-r-- 1 iuser iuser 997 20 15:06 فروري file_process.c
6 -rw-rw-r-- 1 iuser iuser 44 20 15:06 فروري file.txt
7 -rw-r--r-- 1 iuser iuser 726 20 15:23 فروري output.txt
8 -rwxrwxr-x 1 iuser iuser 16128 20 14:52 فروري parent
9 -rw-rw-r-- 1 iuser iuser 478 20 14:52 فروري parent.c
10 -rwxrwxr-x 1 iuser iuser 16216 20 15:12 فروري q3
11 -rw-rw-r-- 1 iuser iuser 1220 20 15:13 فروري q3.c
12 -rwxrwxr-x 1 iuser iuser 16472 20 15:24 فروري q4
13 -rw-rw-r-- 1 iuser iuser 1043 20 15:24 فروري q4.c
14 |
```

Q5

```
iuser@iuser-virtual-machine:~/Desktop/Asjad$ gcc -o q5 q5.c
iuser@iuser-virtual-machine:~/Desktop/Asjad$ ./q5
iuser@iuser-virtual-machine:~/Desktop/Asjad$
```

Output was written in the sum.txt instead of console:



```
parent.c      q5.c      sum.txt  X
≡ sum.txt
1 Sum: 15
```