

מטלה 2 מערכות הפעלה – אופיר אלמוג 207918731

שלב ראשון: קימפול הסרבר והפעלתו, קבלת PID

```
ofir@ubuntu-linux: ~/Desktop/ex2
ofir@ubuntu-linux:~/Desktop/ex2$ gcc server.c -o server
ofir@ubuntu-linux:~/Desktop/ex2$ ./server &
[1] 15040
ofir@ubuntu-linux:~/Desktop/ex2$
```

שלב שני: קימפול client.c והפעלתו, שימוש ב-4 ספרות ראשונות של ת.ז באחת מפעולות החישוב

```
ofir@ubuntu-linux:~/Desktop/ex2$ ./client.out 15040 2079 2 1000 & ./client.out 1
5040 100 1 100 & ./client.out 15040 8 4 2 &
[4] 15143
[5] 15144
[6] 15145
```

פלט טרמינל הלקוח:

```
ofir@ubuntu-linux:~/Desktop/ex2$ Client - Signal successfully sent to process wi
th PID 15040. end of stage d.
Client - Received result from server: 1079. end of stage j.
Client - Signal successfully sent to process with PID 15040. end of stage d.
Client - Signal successfully sent to process with PID 15040. end of stage d.
Client - Received result from server: 4. end of stage j.
Client - Received result from server: 200. end of stage j.
```

פלט טרמינל הסרבר:

```
[1] 15040
ofir@ubuntu-linux:~/Desktop/ex2$ Server - Child process created with PID: 15067.
end of stage f.
Server - Created response file '15064_toClient.txt' for client with PID 15064. e
nd of stage g.
Server - performed calculation, sent the result to toClient.txt file. end of sta
ge i. Server - Child process created with PID: 15077. end of stage f.
Server - Created response file '15063_toClient.txt' for client with PID 15063. e
nd of stage g.
Server - performed calculation, sent the result to toClient.txt file. end of sta
ge i. Server - Child process created with PID: 15147. end of stage f.
Server - Created response file '15143_toClient.txt' for client with PID 15143. e
nd of stage g.
Server - performed calculation, sent the result to toClient.txt file. end of sta
ge i. Server - Child process created with PID: 15157. end of stage f.
Server - Created response file '15145_toClient.txt' for client with PID 15145. e
nd of stage g.
Server - performed calculation, sent the result to toClient.txt file. end of sta
ge i. Server - Child process created with PID: 15159. end of stage f.
Server - Created response file '15144_toClient.txt' for client with PID 15144. e
nd of stage g.
Server - performed calculation, sent the result to toClient.txt file. end of sta
ge i.
```