Lab 3  
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Q1:

I have compiled pids1.c and ran it. Meanwhile I have opened another session and typed the command ps -u m15islam then found the PIDs as follows 31904,31645,31903 on the both terminal session while shell 1 is active. So the PIDs are same.  
  
Q2.

As there are two lines duplicated so the child was expecting some other PID for its parents.  
Then it got terminated and showed 1 as its PIDs.  
  
Q3.  
I compiled pids3.c and ran it couple of times. I found that sometimes it shows the output like pids1.c and sometimes like pids2.c .  
As sleep() removed the program does not know when to terminate their program. Besides they have a individual schedule. Sometimes parent get scheduled first, sometimes child get schedules first. That’s why they are showing different output at different times.