

Q1

Write a shell script that creates 5 concurrent processes each one prints its process identification number (PID).

Code

mainProcess.sh

```
emad@vbox: ~/Desktop/emad1007395/assignm
GNU nano 2.5 File: mainProcess.sh

#!/bin/bash

echo ""
echo "Main process, PID is [ $$ ]"
bash ./newProcess.sh&
wait
bash ./newProcess.sh&
wait
bash ./newProcess.sh&
wait
bash ./newProcess.sh&
wait
bash ./newProcess.sh&
wait
echo ""
echo "All processes are excecuted."
echo ""

^G Get Help ^O Write Ou ^W Where Is ^K Cut Text
^X Exit    ^R Read Fil ^\ Replace ^U Uncut Text
```

newProcess.sh

```
emad@vbox: ~/Desktop/emad1007395/assignm
GNU nano 2.5 File: newProcess.sh

#!/bin/bash

echo " NEW process, PID is [ $$ ]"

^G Get Help ^O Write Ou ^W Where Is ^K Cut Text
^X Exit    ^R Read Fil ^\ Replace ^U Uncut Tex
```

Screenshot

```
emad@vbox: ~/Desktop/emad1007395/assignment4/Q1
emad@vbox:~/Desktop/emad1007395/assignment4/Q1$ sh mainProcess.sh

Main process, PID is [ 2366 ]
NEW process, PID is [ 2367 ]
NEW process, PID is [ 2368 ]
NEW process, PID is [ 2369 ]
NEW process, PID is [ 2370 ]
NEW process, PID is [ 2371 ]

All processes are executed.

emad@vbox:~/Desktop/emad1007395/assignment4/Q1$ ls
mainProcess.sh  newProcess.sh
emad@vbox:~/Desktop/emad1007395/assignment4/Q1$ sh mainProcess.sh

Main process, PID is [ 2375 ]
NEW process, PID is [ 2376 ]
NEW process, PID is [ 2377 ]
NEW process, PID is [ 2378 ]
NEW process, PID is [ 2379 ]
NEW process, PID is [ 2380 ]

All processes are executed.

emad@vbox:~/Desktop/emad1007395/assignment4/Q1$ clear
```