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Lab Report 2

Part 1:

```
OBLINE CUTURE

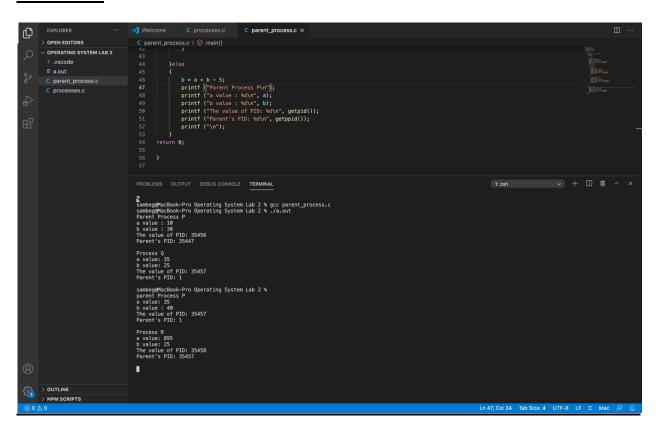
| STATUTE | Communication | Co
```

Part 2:

First run:

```
ONLY DETERMINED THE PROCESSES CONTINUED CONTI
```

Second run:



Here, As we know the parent process is P, and Q and R are the new processes often called as Child process. fork () system call is used twice to create a new child process. In the above output screenshot, we can see that the value of PID changes when we rerun the program. In this system, different conditional statements based on the value of fq and fr are used. We were provided the following framework. The modification of this code is also attached.

```
int a=10, b=25, fq=0, fr=0
fq=fork() // fork a child - call it Process Q
if(fq==0){ // Child successfully forked
a=a+b print values of a, b, and process_id
fr=fork() // fork another child - call it Process R
if(fr!=0){
b=b+15
//print values of a, b, and process_id
}else{
a=(a*b)+20
//print values of a, b, and process_id
}
}else{
b=a+b-5;
print values of a, b, and process_id
}
```