

Quiz#2

Time: 8 mins

Q1# The following code snippet involves multiple **fork()** system calls, which create child processes:

```
pid_t pid;
```

```
pid = fork();
```

```
if (pid == 0)
```

```
{
```

```
    fork();
```

```
}
```

```
fork();
```

Task:

- Draw the **process tree** generated by this program.
- Label each node of the tree with the appropriate **process ID** placeholders (e.g., P0 for the original process, P1, P2 for child processes, etc.).

Q2# What happens when a parent process dies before its child process? What happen to the child process?