## FAST NATIONAL UNIVERSTIY OF COMPUTER AND EMERGING SCIENCES, PESHAWAR DEPARTMENT OF COMPUTER SCIENCE CL220 - OPERATING SYSTEMS LAB

## Lab Task # 05

**Q No.1:** Write your C program for the following pseudocode. And answer the following questions after compilation and execution of code:

```
main
{
     fork();
     fork();
     fork();
     fork();
     fork();
     fork();
     fork();
     fork();
     fork();
}
```

- i) How many processes will be created?
- ii) How many times "Hello" word will be printed on the screen after code execution?
- iii) Create tree hierarchy for this pseudocode?

**Q No.2:** Write your C program for the following pseudocode. And answer the following questions after compilation and execution of code:

```
pid = fork();
main{
    if ( pid == 0)
    {
        fork();
}
```

```
fork();
    print("Hello");
}
else
{
    fork();
    print("Hello");
}
```

- i) How many processes will be created?
- ii) How many times "Hello" word will be printed on the screen after code execution?
- iii) Create tree hierarchy for this pseudocode?