

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();
    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?

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?