

Operating Systems

Homework 2 (due date: 29.03.2019)

1- Show a screenshot of current processes list (including process id, process state and memory size) in both linux and windows operating systems.

2- Including the parent process, how many processes are created in the following program? Explain your answer.

```
int main()
{
    int i;
    for (i = 0; i < 4; i++){
        fork();
    }
    // other commands...
}
```

3- What are the possible outputs, of the following program?

```
int main()
{
    printf( "A ");
    i = fork();
    j = fork();
    if ( j == 0 ){
        printf("C");
    }
    printf( " B ");
}
```