

# Assignment #1

## 1. Code:

```
~/Work/os_labs/lab1  
1  #include <stdio.h>  
2  #include <stdlib.h>  
3  #include <time.h>  
4  
5  int main() {  
6      printf(format: "Hello world! This is Introduction to Operating Systems, CS 6233, "  
7          "Fall 2025 \n");  
8      printf(format: "Hari Varsha V \n");  
9      srand(seed: time(timer: NULL));  
10     // rand() returns a pseudo-random integer value between 0 and RAND_MAX (0 and  
11     // RAND_MAX included)  
12     printf(format: "Random number between 0 - 149 : %d \n", rand() % 149);  
13     return 0;  
14 }
```

2. Terminal window showing the current directory, the command used to compile the program, the command used to run the program and the output of your program:

```
~/Work/os_labs/lab1  
➔ pwd  
/home/nanodijkstra/Work/os_labs/lab1  
➔ ls  
Permissions Size User Date Modified Name  
..rw-rw-r-- 408 nanodijkstra 18 Sep 17:06 lab1_1.c  
➔ gcc -Wall -pedantic -o lab1 lab1_1.c  
➔ ./lab1  
Hello world! This is Introduction to Operating Systems, CS 6233, Fall 2025  
Hari Varsha V  
Random number between 0 - 149 : 112  
➔
```