Name: AZRA KARİN YILMAZ

Student ID: ******

1. Create the following directory tree under Desktop. After creating this, show the directory tree of CNG111_Lab3.

```
groups: cannot find name for group ID 3551
e263836@pcroot-HP-METUNCC:/home/e263836$ cd Desktop
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop$ mkdir CNG111_Lab3
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop$ cd CNG111_Lab3
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ mkdir CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ mkdir CNG111_Examples
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ ls -lR
.:
total 8
drwxr-xr-x 2 e263836 3551 4096 Kas  3 20:39 CNG111_Examples
drwxr-xr-x 2 e263836 3551 4096 Kas  3 20:39 CNG111_Exercises

./CNG111_Examples:
total 0

./CNG111_Exercises:
total 0
```

2. Using redirection, create an empty file named Example.txt under CNG111_Examples folder.

```
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Examples
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Examples$ > Example.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Examples$ cd ..
```

3. Create another file named Exercises.txt under CNG111_Exercises folder using cat command and redirection. In the first line write your student id, second line: your name, third line: your surname.

```
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cat > Exercises.txt
2638369
AZRA KARIN
YILMAZ
```

4. Go to CNG111_Lab3 folder, move Examples.txt file to CNG111_Exercises folder without changing its name.

```
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ mv /home/e263836/Desktop/CNG111_Lab3/CNG111_Examples/Example.txt /home/e263836/Desktop/CNG111_Lab3/CNG_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ ls
Example.txt  Exercises.txt
```

5. Try to delete both CNG111_Exercises and CNG111_Examples folders in single line. Redirect the error to Examples.txt folder using Standard Error channel.

```
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ rmdir CNG111_Examples CNG111_Exercises 2> /home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises/Example.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ ls
Example.txt  Exercises.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cat Example.txt
rmdir: failed to remove 'CNG111_Exercises': Directory not empty
```

6. In a single line and using pipes, search inside the CNG111_Exercises folder and find the files which contains "Ex" in their names. Display the number of lines, words, characters in the result. Redirect the output using STDOUT channel to Examples.txt file. Using cat command show the contents of Examples.txt file.

```
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ ls| grep "Ex" | wc |cat > Example.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cat Example.txt
      2       2      26
```

BONUS

```
groups: cannot find name for group ID 3551
e263836@pcroot-HP-METUNCC:/home/e263836$ cd Desktop
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop$ mkdir CNG111_Lab3
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop$ cd CNG111_Lab3
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ mkdir CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ mkdir CNG111_Examples
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ ls -lR
.:
total 8
drwxr-xr-x 2 e263836 3551 4096 Kas  3 20:39 CNG111_Examples
drwxr-xr-x 2 e263836 3551 4096 Kas  3 20:39 CNG111_Exercises

./CNG111_Examples:
total 0

./CNG111_Exercises:
total 0
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Examples
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Examples$ > Example.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Examples$ cd ..
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cat > Exercises.txt
2638369
AZRA KARIN
YILMAZ
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cd ..
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ mv /home/e263836/Desktop/CNG111_Lab3/CNG111_Examples/Example.txt /home/e263836/Desktop/CNG111_Lab3/CNG_Ex
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ ls
Example.txt  Exercises.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cd ..
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ rmdir CNG111_Examples CNG111_Exercises 2> /home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises/Example.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3$ cd CNG111_Exercises
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cat
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ ls
Example.txt  Exercises.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cat Example.txt
rmdir: failed to remove 'CNG111_Exercises': Directory not empty
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ ls | grep "Ex" | wc |cat > Example.txt
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ cat Example.txt
      2       2      26
e263836@pcroot-HP-METUNCC:/home/e263836/Desktop/CNG111_Lab3/CNG111_Exercises$ []
```