

## **Operating Systems – OS**

Lab Task 03 (OS-003)



**Submitted by:**  
Muhammad Roshaan Idrees (56177)

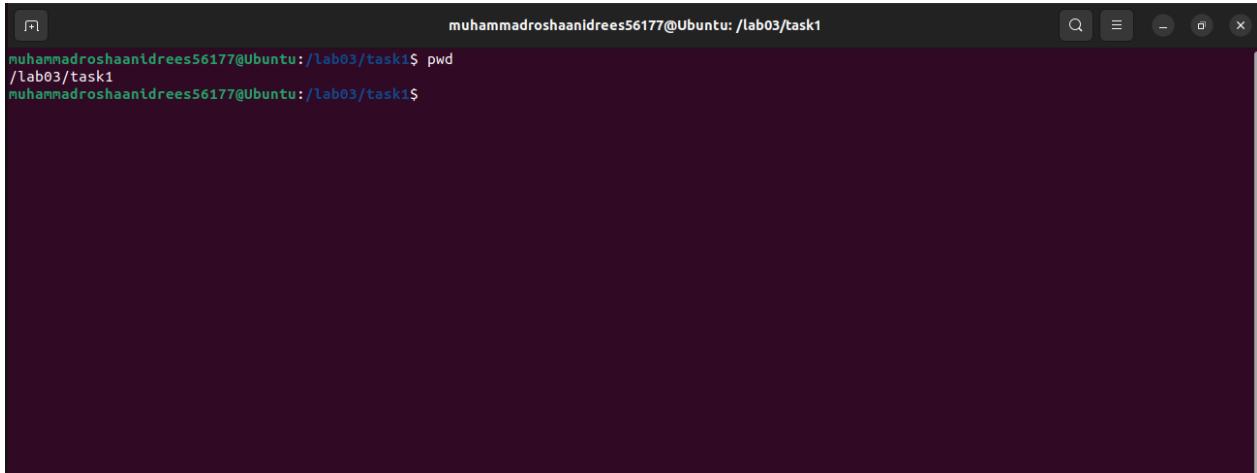
**Submitted to:**  
Sir Shahzad Ahmed Khan

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**RIPHAH International University**  
**Fall 2025**  
**Faculty of Computing**

## Task 01

### Solution:



```
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ pwd
/lab03/task1
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$
```

## Task 02

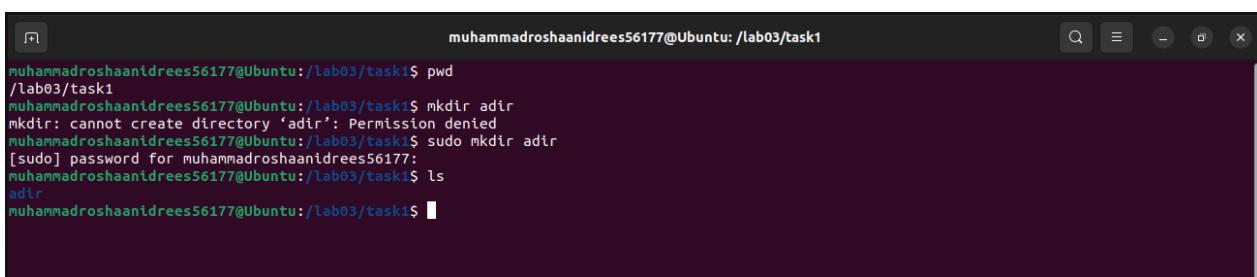
### Solution:



```
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ pwd
/lab03/task1
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ mkdir adir
mkdir: cannot create directory 'adir': Permission denied
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ sudo mkdir adir
[sudo] password for muhammadroshaanidrees56177:
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$
```

## Task 03

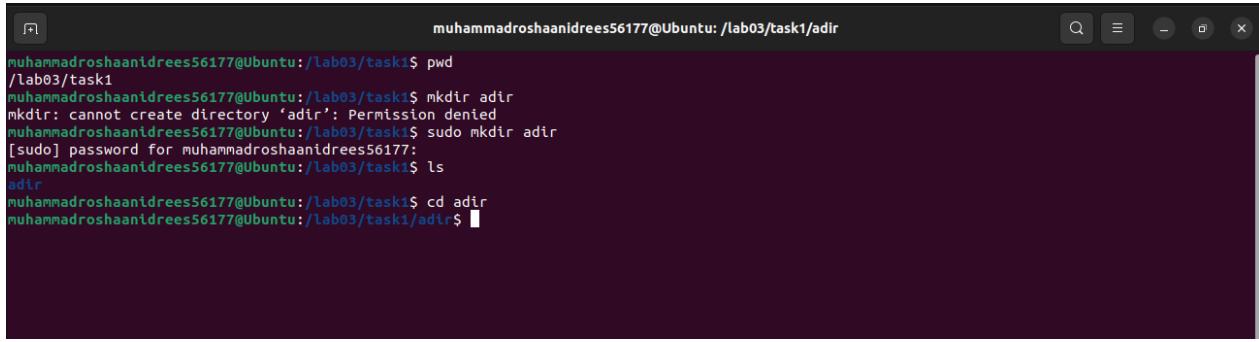
### Solution:



```
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ pwd
/lab03/task1
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ mkdir adir
mkdir: cannot create directory 'adir': Permission denied
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ sudo mkdir adir
[sudo] password for muhammadroshaanidrees56177:
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ ls
adir
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$
```

## Task 04

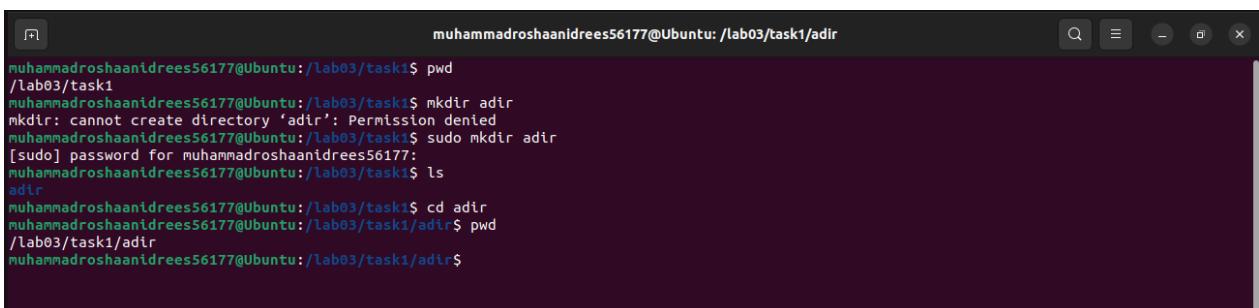
### Solution:



```
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ pwd
/lab03/task1
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ mkdir adir
mkdir: cannot create directory 'adir': Permission denied
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ sudo mkdir adir
[sudo] password for muhammadroshaanidrees56177:
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ ls
adir
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ cd adir
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir$
```

## Task 05

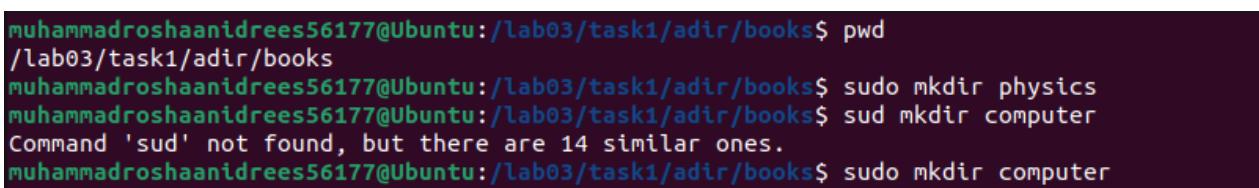
### Solution:



```
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ pwd
/lab03/task1
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ mkdir adir
mkdir: cannot create directory 'adir': Permission denied
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ sudo mkdir adir
[sudo] password for muhammadroshaanidrees56177:
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ ls
adir
muhammadroshaanidrees56177@Ubuntu:/lab03/task1$ cd adir
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir$ pwd
/lab03/task1/adir
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir$
```

## Task 06

### Solution:



```
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ pwd
/lab03/task1/adir/books
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ sudo mkdir physics
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ sud mkdir computer
Command 'sud' not found, but there are 14 similar ones.
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ sudo mkdir computer
```

```
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/physics$ sudo mkdir nuclear
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/physics$ ls
classical nuclear quantum
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/physics$ cd ..
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ ls
computer math physics
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ cd math
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/math$ ls
calculus trigonometry
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/math$ cd ..
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ cd physics
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/physics$ ls
classical nuclear quantum
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/physics$ cd ..
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books$ cd computer
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/computer$ ls
muhammadroshaanidrees56177@Ubuntu:/lab03/task1/adir/books/computer$
```