

Assignment:3

Task:3

3: Using Functions for Repetitive Tasks

Objective: Write a shell script that uses a function to create multiple directories.

Certainly! The objective is to write a shell script that uses a function to create multiple directories. Here's an example script:

```
# Function to create directories  
create_directories() {  
    for dir_name in "$@"; do  
        mkdir -p "$dir_name"  
        echo "Directory '$dir_name' created."  
    done  
}  
  
# Call the function to create directories  
create_directories dir1 dir2 dir3
```

Explanation:

`create_directories` is the function that takes directory names as arguments and creates each directory using the `mkdir` command. The `-p` option ensures that the parent directories are created if they do not exist.

The `for` loop iterates over each argument (directory name) passed to the function.

`mkdir -p "$dir_name"` creates the directory with the specified name.

`echo "Directory '$dir_name' created."` prints a message indicating that the directory has been created.

The main part of the script calls the `create_directories` function with the names of the directories you want to create. You can add more directories to the function call as needed.

```
sunny28@Linux:~$ cat create_directories.sh {
> for dir_name in "$@"; do
>   mkdir -p "$dir_name"
>   echo "directory '$dir_name' created."
> done
> }
sunny28@Linux:~$ ./create_directories.sh dir1 dir2 dir3
directory 'dir1' created.
directory 'dir2' created.
directory 'dir3' created.
sunny28@Linux:~$
```