# Definition of the following Common File Management Commands

### 1. mkdir

**Usage**: The mkdir command is used to create new directories.

#### Formula:

```
mkdir [OPTION] DIRECTORY_NAME
```

#### **Examples**:

• Create a single directory:

```
mkdir new_directory
```

• Create multiple directories at once:

```
mkdir dir1 dir2 dir3
```

• Create a parent directory and its child directories:

```
mkdir -p parent_directory/child_directory
```

# 2. touch

**Usage**: The touch command is used to create an empty file or update the timestamp of an existing file.

#### Formula:

```
touch [OPTION] FILE_NAME
```

#### **Examples:**

• Create a new empty file:

```
touch file1.txt
```

• Create multiple files at once:

```
touch file2.txt file3.txt file4.txt
```

# 3. rm

**Usage**: The rm command is used to remove files or directories.

#### Formula:

```
rm [OPTION] FILE_NAME
```

# **Examples**:

• Remove a single file:

```
rm file1.txt
```

• Remove multiple files at once:

```
rm file2.txt file3.txt
```

• Remove a directory and its contents recursively:

```
rm -r directory_name
```

# 4. rmdir

**Usage**: The rmdir command is used to remove *empty* directories.

### Formula:

```
rmdir [OPTION] DIRECTORY_NAME
```

## **Examples**:

• Remove an empty directory:

```
rmdir empty_directory
```

• Remove multiple empty directories at once:

```
rmdir dir1 dir2
```

# 5. mv

**Usage**: The mv command is used to move files and directories. If the directory does not exists it will get created.

#### Formula:

```
mv [OPTION] SOURCE DESTINATION
```

### **Examples**:

• Move a file to a different directory:

```
mv file1.txt ~/Documents/
```

• Rename a file:

```
mv old_name.txt new_name.txt
```

• Move multiple files to a directory:

```
mv file1.txt file2.txt ~/Documents/
```

• Rename a Directory:

```
mv ~/Downloads/directory_name ~/cis106/labs/non_existing_dir
```

# 6. cp

**Usage**: The cp command is used to copy files and directories.

#### Formula:

```
cp [OPTION] SOURCE DESTINATION
```

# **Examples**:

• Copy a file to a new location:

```
cp file1.txt ~/Documents/
```

• Copy multiple files to a directory:

```
cp file1.txt file2.txt ~/Documents/
```

• Copy a directory and its contents recursively:

```
cp -r directory_name/ ~/Backup_directory/
```

# 7. file

**Usage**: The file command is used to determine the type of a file.

#### Formula:

```
file [OPTION] FILE_NAME
```

### **Examples**:

• Determine the type of a single file:

```
file file1.txt
```

• Check the type of multiple files:

```
file file1.txt file2.jpg
```

• Check the type of a directory:

file directory\_name