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```
# Function to display the menu options
display_menu() {
  clear
  echo "Welcome to File and Directory Management Shell Scripting System!"
  echo "1. Move Files"
  echo "2. Rename Files"
  echo "3. Create Directories"
  echo "4. Delete Directories"
  echo "5. Delete Files"
  echo "6. Delete Old Files"
  echo "0. Exit"
  echo
}
# Function to handle moving files
move_files() {
  echo "Move Files"
  echo "~~~~~~"
  echo "Please enter the source file path:"
  read source_file
  echo "Enter the destination directory path:"
  read destination_dir
  # Check if source file exists
  if [ ! -f "$source_file" ]; then
    echo "Ops! Source file '$source_file' not found!"
    return
  fi
  # Check if destination directory exists
  if [ ! -d "$destination_dir" ]; then
    echo "Ops! Destination directory '$destination_dir' not found!"
    return
  fi
  # Move the file
  mv "$source_file" "$destination_dir"
```

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echo "Congratulations! File has been moved successfully!"
}
# Function to handle renaming files
rename_files() {
  echo "Rename Files"
  echo "~~~~~~"
  echo "Enter the current file name:"
  read current_name
  echo "Please enter the new file name:"
  read new_name
 # Check if the current file exists
 if [ ! -f "$current_name" ]; then
    echo "Ops! File '$current_name' not found!"
    return
 fi
 # Rename the file
 mv "$current_name" "$new_name"
 echo "Nice! File has been renamed successfully!"
}
# Function to handle creating directories
create_directories() {
  echo "Create Directories"
  echo "~~~~~~"
 echo "Enter the directory name please:"
  read directory_name
  echo "Enter the parent directory path (Leave blank for current directory):"
  read parent_directory
 # Set the parent directory to current directory if not provided
  if [ -z "$parent_directory" ]; then
    parent_directory="./"
 # Create the directory
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mkdir -p "$parent_directory/$directory_name"
  echo "Bravo! Directory has been created successfully!"
}
# Function to handle deleting directories
delete_directories() {
  echo "Delete Directories"
  echo "~~~~~~~"
  echo "Please enter the directory path:"
  read directory_path
  # Check if the directory exists
  if [!-d "$directory_path"]; then
    echo "Ops! Directory '$directory_path' not found!"
    return
  fi
  # Confirm directory deletion
  echo "Are you sure you want to delete the directory '$directory_path'? (y/n)"
  read confirm
  if [ "$confirm" != "y" ] && [ "$confirm" != "Y" ]; then
    echo "OK, Directory deletion canceled!"
    return
  fi
  # Delete the directory
  rm -rf "$directory_path"
  echo "Directory has been deleted successfully!"
}
# Function to handle deleting files
delete_files() {
  echo "Delete Files"
  echo "~~~~~~"
  echo "Please enter the file name or path:"
  read file_path
  # Check if the file exists
```

```
if [!-f"$file_path"]; then
    echo "Ops! File '$file_path' not found!"
    return
  fi
  # Confirm file deletion
  echo "Are you sure you want to delete the file '$file_path'? (y/n)"
  read confirm
  if [ "$confirm" != "y" ] && [ "$confirm" != "Y" ]; then
    echo "OK, File deletion canceled."
    return
  fi
  # Delete the file
  rm "$file_path"
  echo "File has been deleted successfully!"
# Function to delete old files
delete_old_files() {
  echo "Delete Old Files"
  echo "~~~~~~~"
  echo "Enter the directory path:"
  read directory_path
  echo "Enter the number of days for file inactivity:"
  read inactive_days
  # Check if the directory exists
  if [ ! -d "$directory_path" ]; then
    echo "Ops! Directory '$directory_path' not found!"
    return
  fi
  # Confirm deletion of old files
  echo "Are you sure you want to delete files in '$directory_path' that haven't been accessed for $inactive_days days? (y/n)"
  read confirm
```

}

```
if [ "$confirm" != "y" ] && [ "$confirm" != "Y" ]; then
    echo "OK, File deletion canceled!"
    return
 fi
 # Find and delete old files
 find "$directory_path" -type f -atime +$inactive_days -delete
  echo "Old files has been deleted successfully!"
}
# Function to display help information
display_help() {
  echo "File and Directory Management Script"
  echo
  echo "This script provides options for managing files and directories."
  echo
  echo "Menu Options:"
  echo "1. Move Files: Move files from one directory to another."
  echo "2. Rename Files: Rename files."
  echo "3. Create Directories: Create new directories."
  echo "4. Delete Directories: Delete existing directories."
  echo "5. Delete Files: Delete specific files."
  echo "6. Delete Old Files: Delete files that haven't been accessed for a specified period."
  echo "7. Help: Display this help information."
  echo "0. Exit: Quit the script."
  echo
  echo "Usage: ./file_directory_management.sh"
  echo
  echo "Usage Examples:"
  echo "~~~~~~"
  echo "- Move Files:"
  echo " Enter the source file path and the destination directory path."
  echo
  echo "- Rename Files:"
  echo " Enter the current file name and the new file name."
  echo
  echo "- Create Directories:"
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echo " Enter the directory name and the parent directory path (optional)."
  echo
  echo "- Delete Directories:"
  echo " Enter the directory path. You will be prompted to confirm the deletion."
  echo
  echo "- Delete Files:"
  echo " Enter the file name or path. You will be prompted to confirm the deletion."
  echo
  echo "- Delete Old Files:"
  echo " Enter the directory path and the number of days for file inactivity."
  echo " You will be prompted to confirm the deletion of old files."
  echo
}
# Main script execution
while true; do
  display_menu
  echo "Enter your choice (0-6):"
  read choice
  case $choice in
    0) # Exit
      echo "Good Bye!"
      echo "Exiting..."
      break
      ;;
    1) # Move Files
      move files
      ;;
    2) # Rename Files
      rename_files
    3) # Create Directories
      create_directories
    4) # Delete Directories
      delete_directories
```

```
;;
5) # Delete Files
    delete_files
;;
6) # Delete Old Files
    delete_old_files
;;
*) # Invalid choice
    echo "Invalid Input. Please try again."
;;
esac
echo
read -n 1 -s -r -p "Press enter any key to continue..."
done
```