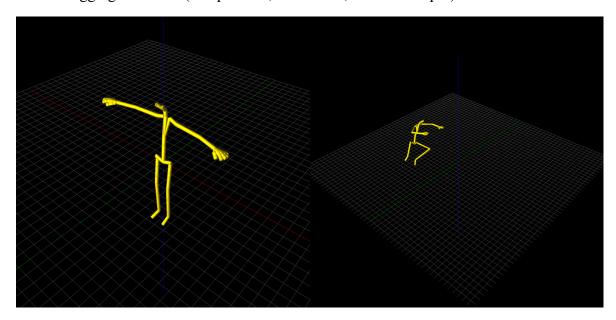
Project 3: BVH Viewer

Implementation

- Implemented the following:
 - o Gray grid and xyz axis (from project 1)
 - Camera manipulation with mouse (left mouse button) drag movement. (from project 1)
 - Orbit (alt)
 - Pan: (shift+alt)
 - Zoom: (crtl+alt)
 - Opens, loads, and displays byh file by drag-and-drop to viewer window
 - o Prints the file name, number of frames, FPS, number of joints, and list of all joint names in the terminal
 - o Support for animating the loaded motion when pressing "spacebar" key
 - Uses box rendering
 - o Provides OBJ rendering mode
 - Each link is rendered using a separate OBJ file for each part
 - Support for loading a predefined file when pressing "1" key
 - o Rendering with Phong illumination and shading.

Program

1. Dragging a bvh file (rest position, movement, terminal output)



```
File name: 142_21.bvh
Number of frames: 1413
FPS: 120.00
Number of joints: 43
List of joint names:
hip
abdomen
chest
neck
head
leftEye
rightEye
rCollar
rShldr
rForeArm
rHand
rThumb1
rThumb2
rIndex1
rIndex2
rMid1
rMid2
rRing1
rRing2
rPinky1
rPinky2
lCollar
lShldr
lForeArm
lHand
lThumb1
lThumb1
lThumb2
rIndex2
rXid1
rXid2
rX
```

2. Loading OBJ rendering mode

