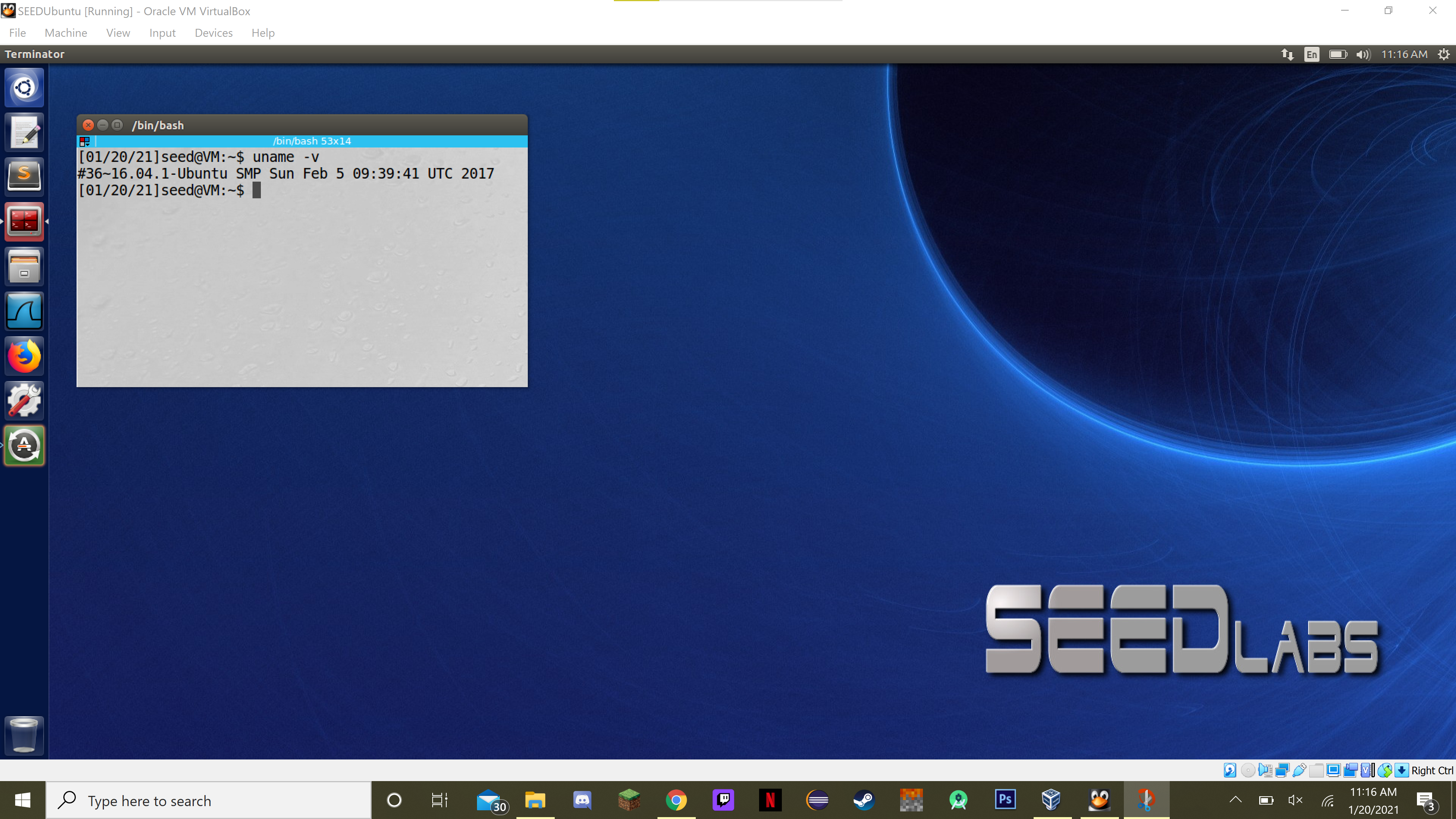
Lab 1





1. **Code:**

#include <stdio.h>

int main(int argc, char \*\*argv, char \*\*envp)

{

for (char \*\*env = envp; \*env != 0; env++)

{

char \*thisEnv = \*env;

printf("%s\n", thisEnv);

}

return 0;

}

**Output:**

[01/20/21]seed@VM:~$ gcc -o lab1 lab1.c

[01/20/21]seed@VM:~$ ./lab1

XDG\_VTNR=7

ORBIT\_SOCKETDIR=/tmp/orbit-seed

XDG\_SESSION\_ID=c1

XDG\_GREETER\_DATA\_DIR=/var/lib/lightdm-data/seed

IBUS\_DISABLE\_SNOOPER=1

TERMINATOR\_UUID=urn:uuid:6916a6eb-0685-4383-aed3-408e1bc6eba8

CLUTTER\_IM\_MODULE=xim

SESSION=ubuntu

GIO\_LAUNCHED\_DESKTOP\_FILE\_PID=3154

ANDROID\_HOME=/home/seed/android/android-sdk-linux

GPG\_AGENT\_INFO=/home/seed/.gnupg/S.gpg-agent:0:1

TERM=xterm

SHELL=/bin/bash

DERBY\_HOME=/usr/lib/jvm/java-8-oracle/db

QT\_LINUX\_ACCESSIBILITY\_ALWAYS\_ON=1

LD\_PRELOAD=/home/seed/lib/boost/libboost\_program\_options.so.1.64.0:/home/seed/lib/boost/libboost\_filesystem.so.1.64.0:/home/seed/lib/boost/libboost\_system.so.1.64.0

WINDOWID=58720260

UPSTART\_SESSION=unix:abstract=/com/ubuntu/upstart-session/1000/1143

GNOME\_KEYRING\_CONTROL=

GTK\_MODULES=gail:atk-bridge:unity-gtk-module

USER=seed

LS\_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:\*.tar=01;31:\*.tgz=01;31:\*.arc=01;31:\*.arj=01;31:\*.taz=01;31:\*.lha=01;31:\*.lz4=01;31:\*.lzh=01;31:\*.lzma=01;31:\*.tlz=01;31:\*.txz=01;31:\*.tzo=01;31:\*.t7z=01;31:\*.zip=01;31:\*.z=01;31:\*.Z=01;31:\*.dz=01;31:\*.gz=01;31:\*.lrz=01;31:\*.lz=01;31:\*.lzo=01;31:\*.xz=01;31:\*.bz2=01;31:\*.bz=01;31:\*.tbz=01;31:\*.tbz2=01;31:\*.tz=01;31:\*.deb=01;31:\*.rpm=01;31:\*.jar=01;31:\*.war=01;31:\*.ear=01;31:\*.sar=01;31:\*.rar=01;31:\*.alz=01;31:\*.ace=01;31:\*.zoo=01;31:\*.cpio=01;31:\*.7z=01;31:\*.rz=01;31:\*.cab=01;31:\*.jpg=01;35:\*.jpeg=01;35:\*.gif=01;35:\*.bmp=01;35:\*.pbm=01;35:\*.pgm=01;35:\*.ppm=01;35:\*.tga=01;35:\*.xbm=01;35:\*.xpm=01;35:\*.tif=01;35:\*.tiff=01;35:\*.png=01;35:\*.svg=01;35:\*.svgz=01;35:\*.mng=01;35:\*.pcx=01;35:\*.mov=01;35:\*.mpg=01;35:\*.mpeg=01;35:\*.m2v=01;35:\*.mkv=01;35:\*.webm=01;35:\*.ogm=01;35:\*.mp4=01;35:\*.m4v=01;35:\*.mp4v=01;35:\*.vob=01;35:\*.qt=01;35:\*.nuv=01;35:\*.wmv=01;35:\*.asf=01;35:\*.rm=01;35:\*.rmvb=01;35:\*.flc=01;35:\*.avi=01;35:\*.fli=01;35:\*.flv=01;35:\*.gl=01;35:\*.dl=01;35:\*.xcf=01;35:\*.xwd=01;35:\*.yuv=01;35:\*.cgm=01;35:\*.emf=01;35:\*.ogv=01;35:\*.ogx=01;35:\*.aac=00;36:\*.au=00;36:\*.flac=00;36:\*.m4a=00;36:\*.mid=00;36:\*.midi=00;36:\*.mka=00;36:\*.mp3=00;36:\*.mpc=00;36:\*.ogg=00;36:\*.ra=00;36:\*.wav=00;36:\*.oga=00;36:\*.opus=00;36:\*.spx=00;36:\*.xspf=00;36:

QT\_ACCESSIBILITY=1

LD\_LIBRARY\_PATH=/home/seed/source/boost\_1\_64\_0/stage/lib:/home/seed/source/boost\_1\_64\_0/stage/lib:

XDG\_SESSION\_PATH=/org/freedesktop/DisplayManager/Session0

XDG\_SEAT\_PATH=/org/freedesktop/DisplayManager/Seat0

SSH\_AUTH\_SOCK=/run/user/1000/keyring/ssh

DEFAULTS\_PATH=/usr/share/gconf/ubuntu.default.path

GIO\_LAUNCHED\_DESKTOP\_FILE=/usr/share/applications/terminator.desktop

XDG\_CONFIG\_DIRS=/etc/xdg/xdg-ubuntu:/usr/share/upstart/xdg:/etc/xdg

DESKTOP\_SESSION=ubuntu

PATH=/home/seed/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:.:/snap/bin:/usr/lib/jvm/java-8-oracle/bin:/usr/lib/jvm/java-8-oracle/db/bin:/usr/lib/jvm/java-8-oracle/jre/bin:/home/seed/android/android-sdk-linux/tools:/home/seed/android/android-sdk-linux/platform-tools:/home/seed/android/android-ndk/android-ndk-r8d:/home/seed/.local/bin

QT\_IM\_MODULE=ibus

QT\_QPA\_PLATFORMTHEME=appmenu-qt5

XDG\_SESSION\_TYPE=x11

PWD=/home/seed

JOB=unity-settings-daemon

XMODIFIERS=@im=ibus

JAVA\_HOME=/usr/lib/jvm/java-8-oracle

GNOME\_KEYRING\_PID=

LANG=en\_US.UTF-8

GDM\_LANG=en\_US

MANDATORY\_PATH=/usr/share/gconf/ubuntu.mandatory.path

COMPIZ\_CONFIG\_PROFILE=ubuntu-lowgfx

IM\_CONFIG\_PHASE=1

GDMSESSION=ubuntu

SESSIONTYPE=gnome-session

GTK2\_MODULES=overlay-scrollbar

SHLVL=1

HOME=/home/seed

XDG\_SEAT=seat0

LANGUAGE=en\_US

LIBGL\_ALWAYS\_SOFTWARE=1

GNOME\_DESKTOP\_SESSION\_ID=this-is-deprecated

UPSTART\_INSTANCE=

XDG\_SESSION\_DESKTOP=ubuntu

UPSTART\_EVENTS=xsession started

LOGNAME=seed

COMPIZ\_BIN\_PATH=/usr/bin/

DBUS\_SESSION\_BUS\_ADDRESS=unix:abstract=/tmp/dbus-NfgvunOKly

J2SDKDIR=/usr/lib/jvm/java-8-oracle

XDG\_DATA\_DIRS=/usr/share/ubuntu:/usr/share/gnome:/usr/local/share/:/usr/share/:/var/lib/snapd/desktop

QT4\_IM\_MODULE=xim

LESSOPEN=| /usr/bin/lesspipe %s

INSTANCE=

UPSTART\_JOB=unity7

XDG\_RUNTIME\_DIR=/run/user/1000

DISPLAY=:0

XDG\_CURRENT\_DESKTOP=Unity

GTK\_IM\_MODULE=ibus

J2REDIR=/usr/lib/jvm/java-8-oracle/jre

LESSCLOSE=/usr/bin/lesspipe %s %s

XAUTHORITY=/home/seed/.Xauthority

COLORTERM=gnome-terminal

\_=./lab1



