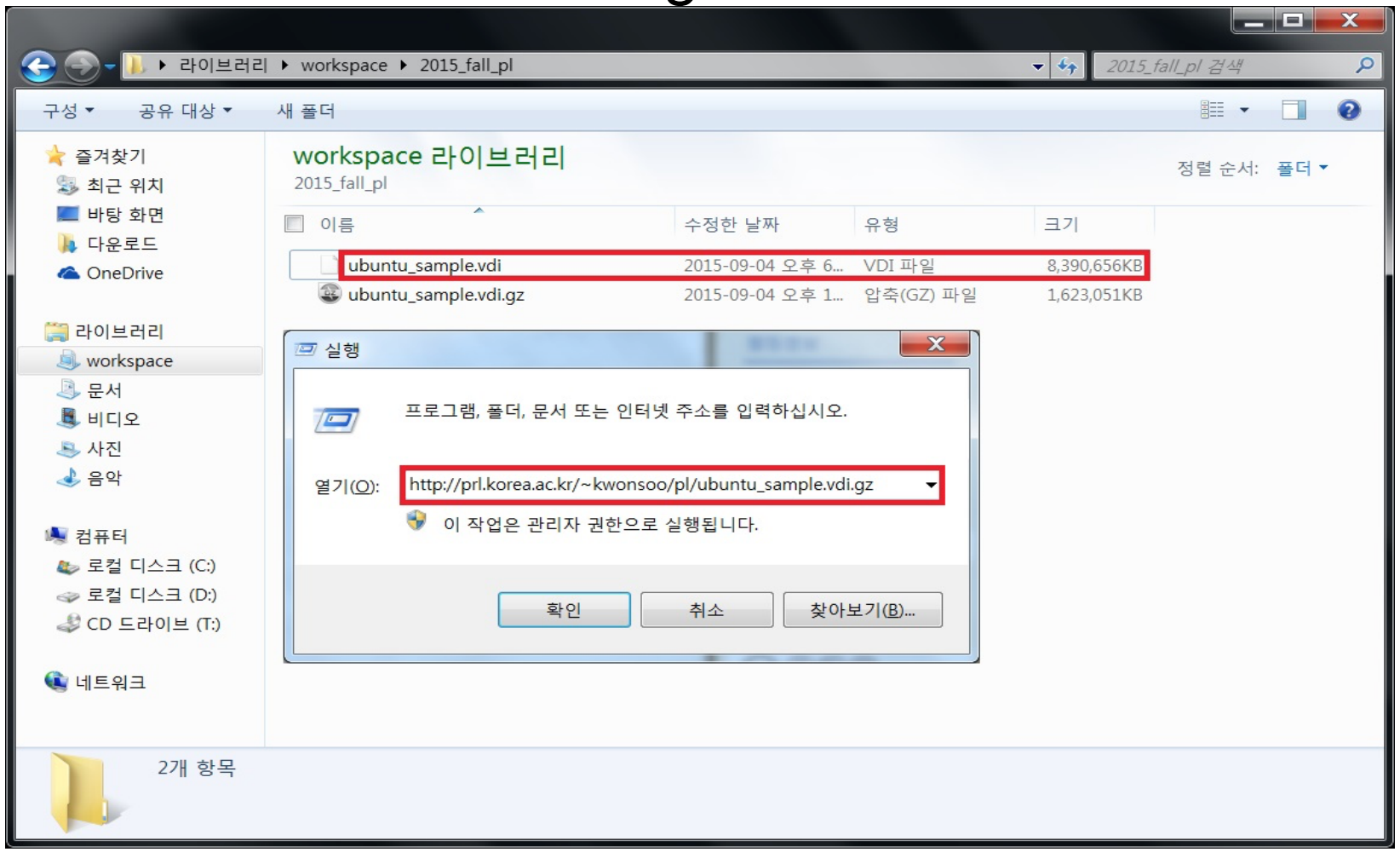
Installation of OCaml Programming Environment

Programming Research Laboratory, Korea University

Contents

1. Download the VirtualBox image file



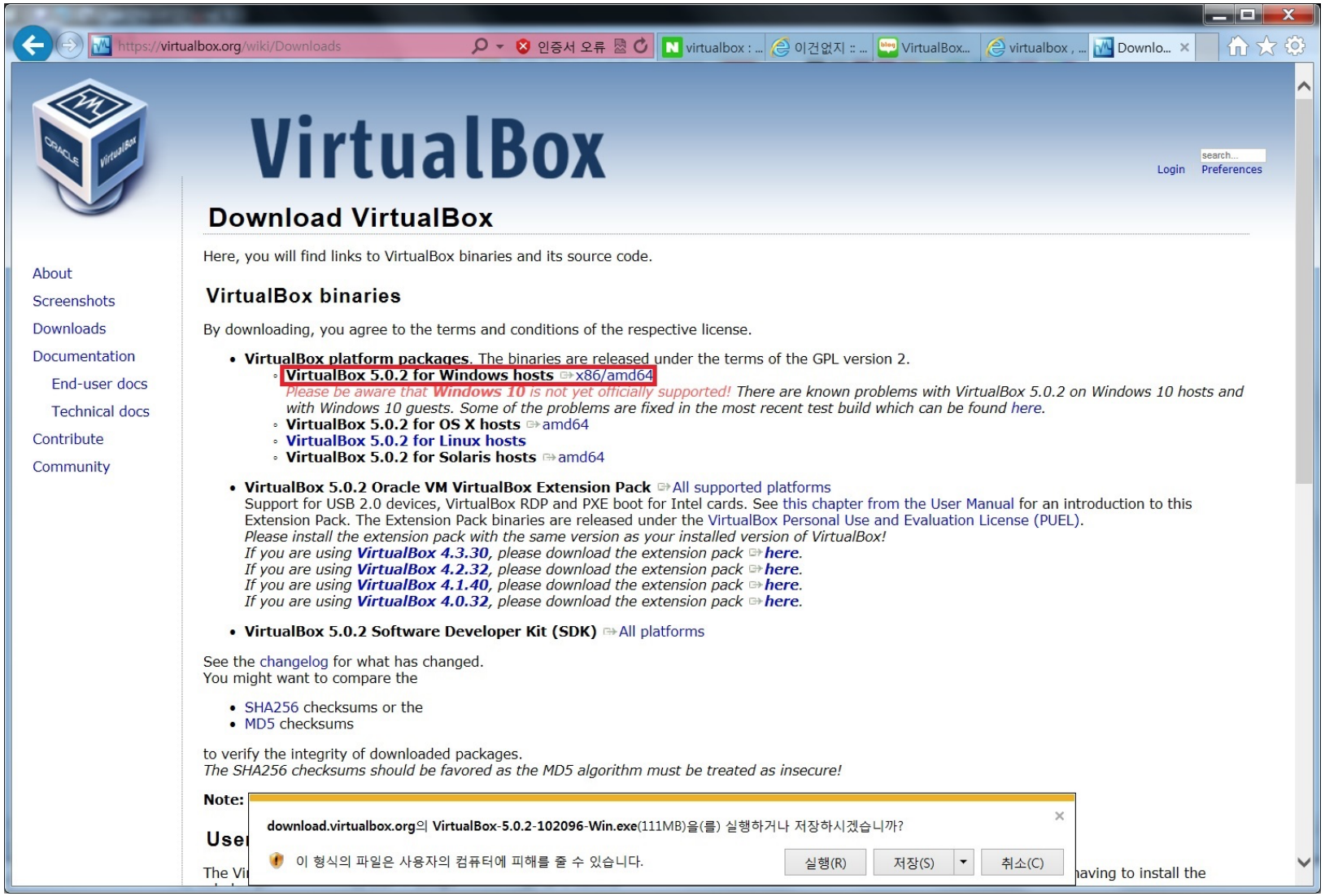
Download the image file from the address below and unpack it:

http://prl.korea.ac.kr/~kwonsoo/pl/ubuntu_sample.vdi.gz

2. Install VirtualBox

Go to http://virtualbox.org and
click [Download VirtualBox 5.0].

2. Install VirtualBox



Click [VirtualBox 5.0.2 for Windows hosts] at the top.

2. Install VirtualBox

Click the button highlighted in red.

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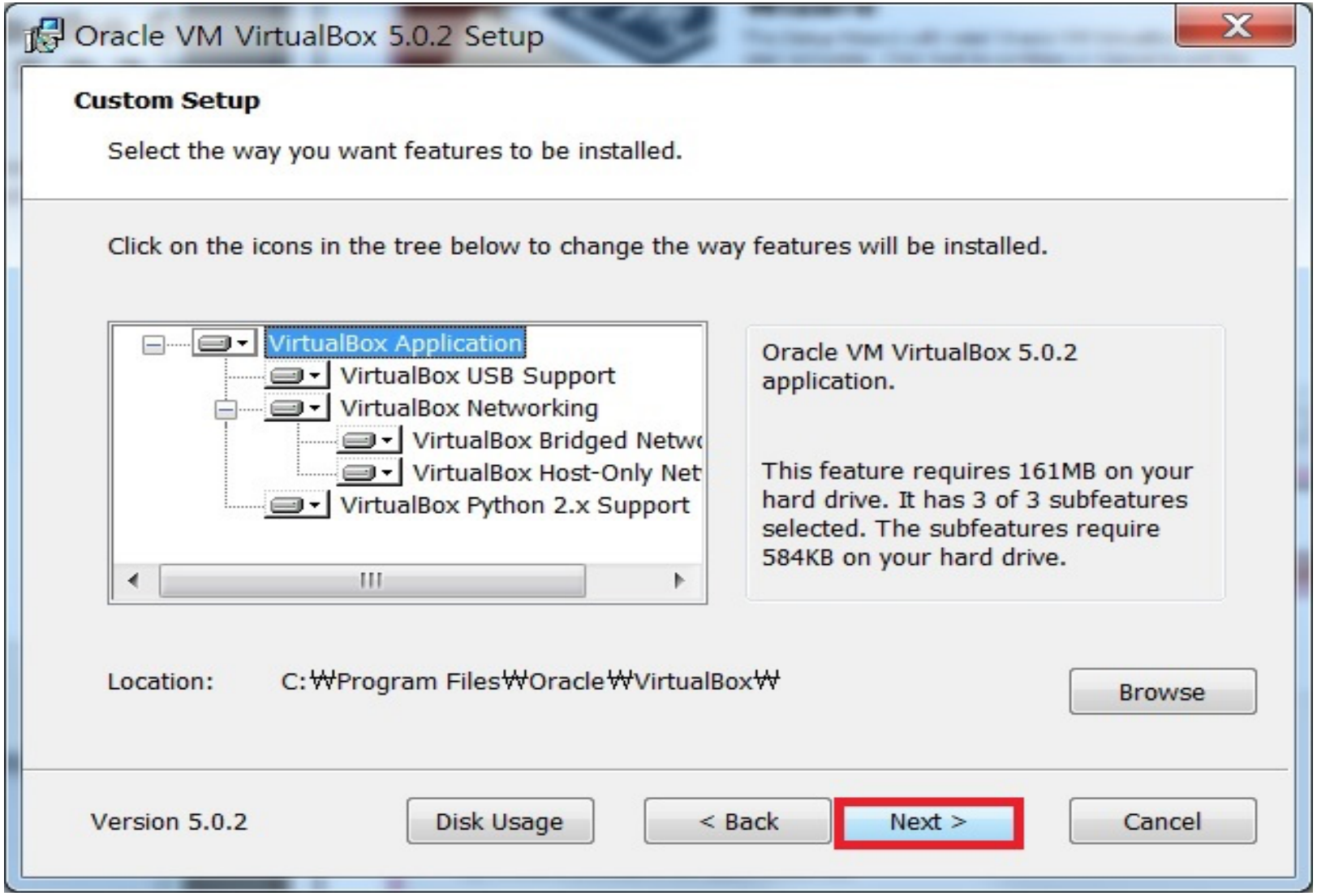

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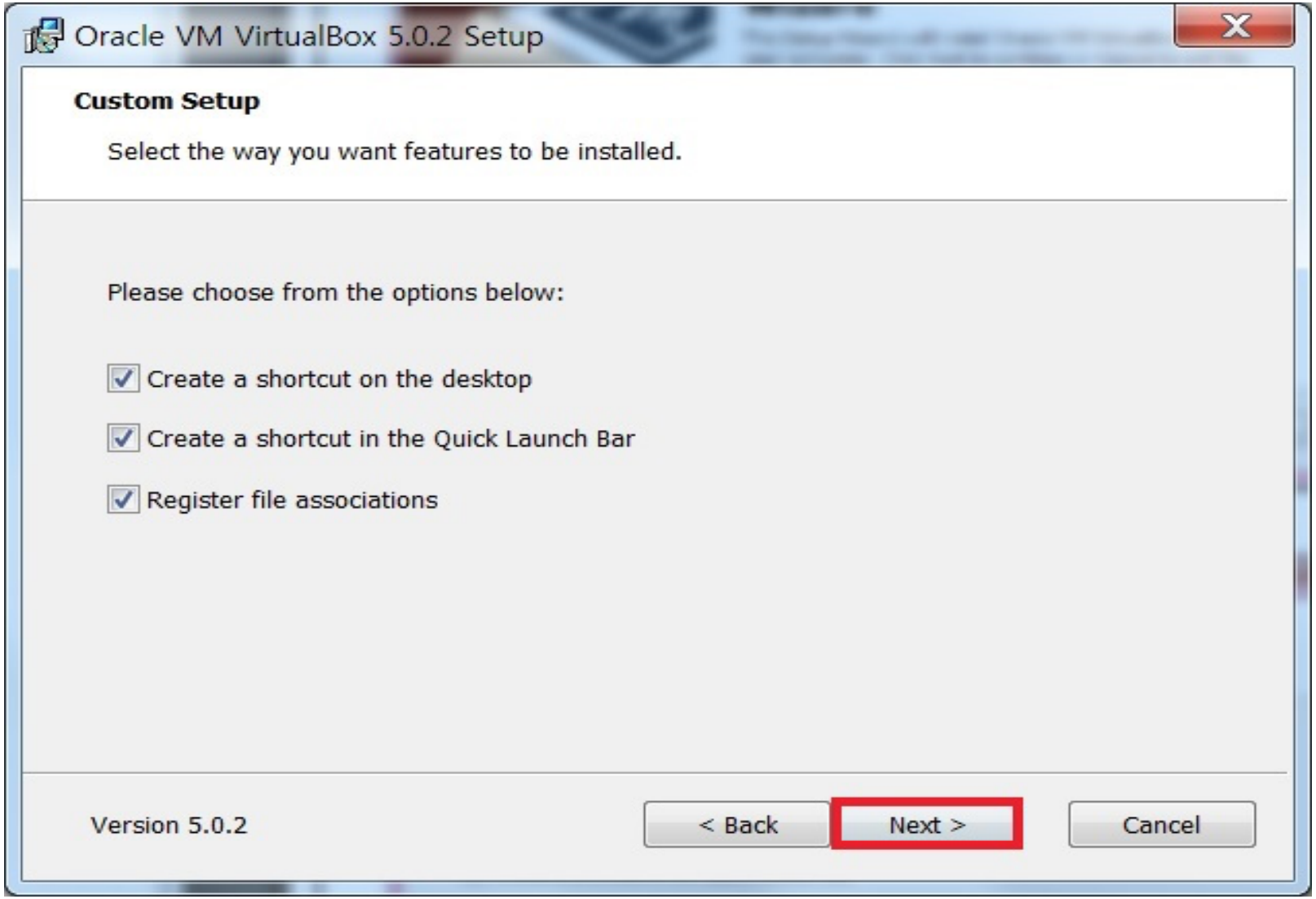

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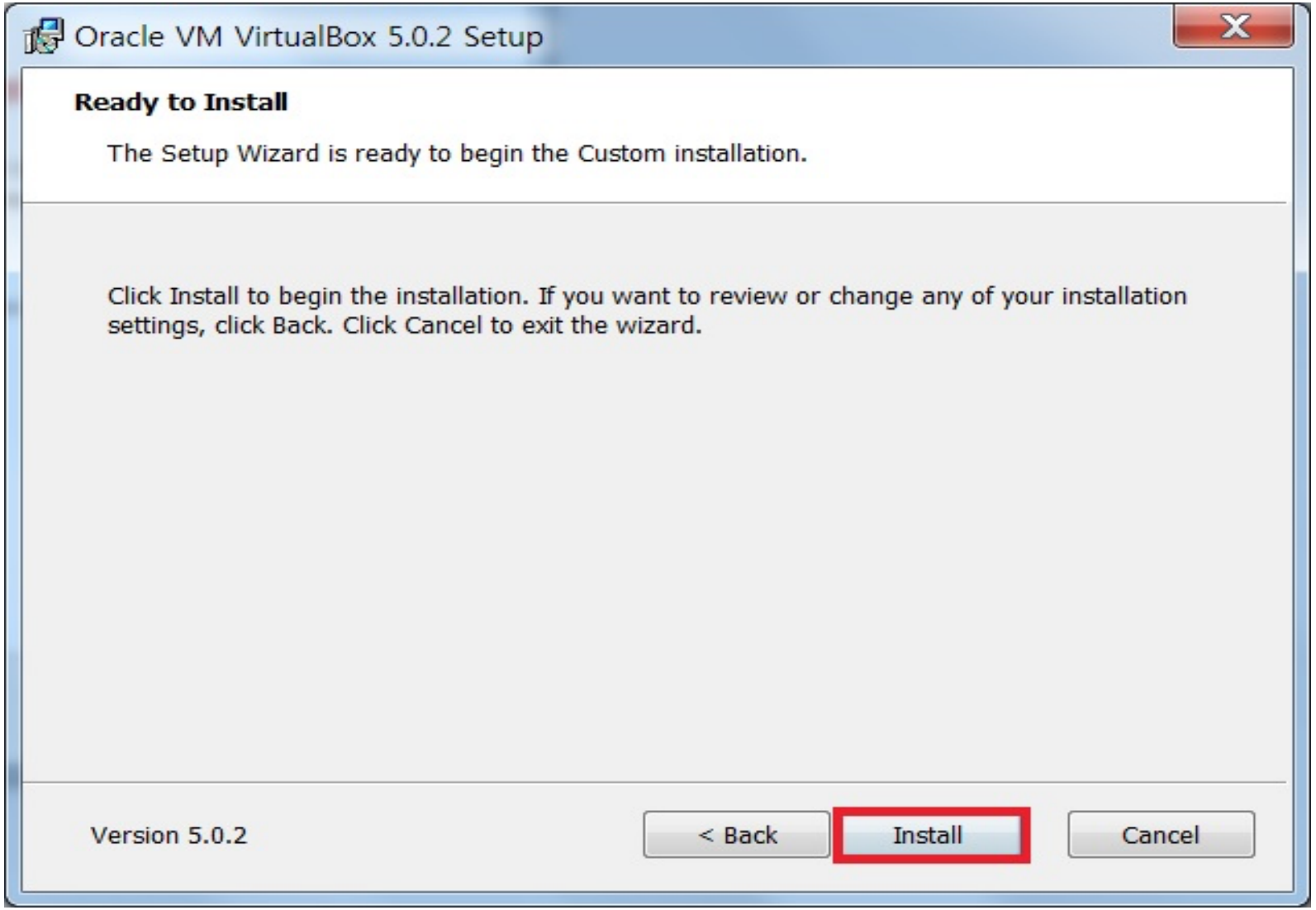

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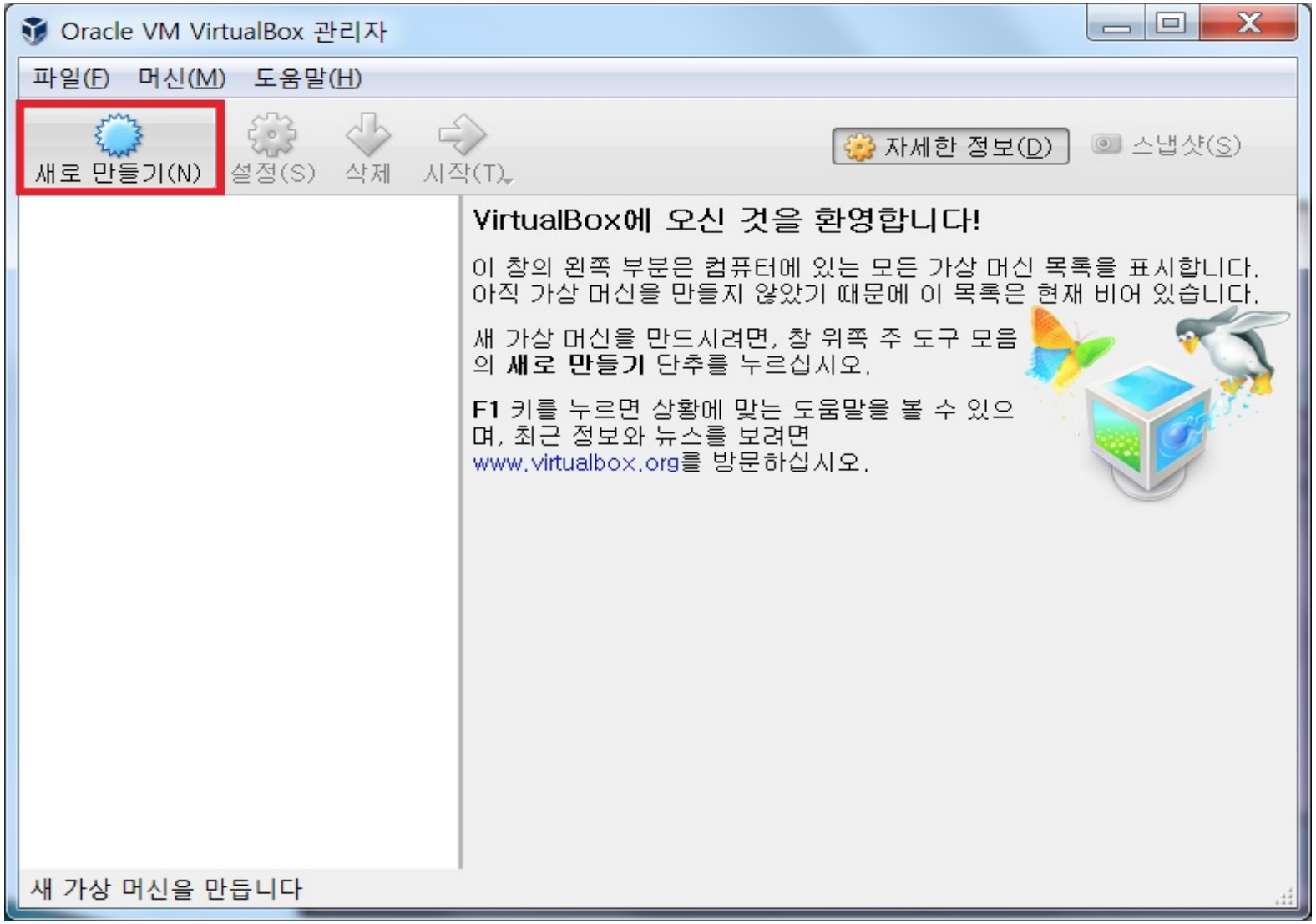

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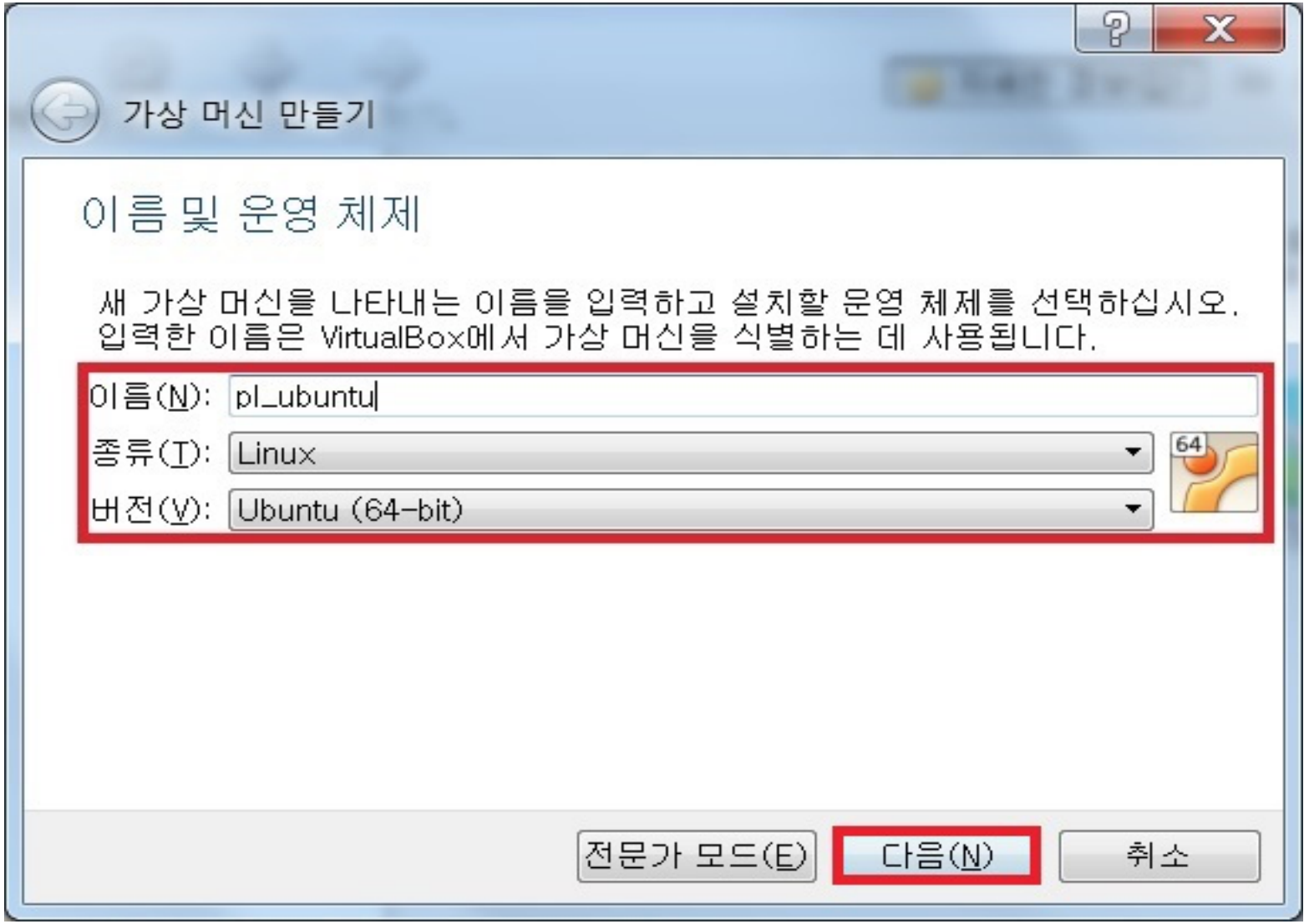

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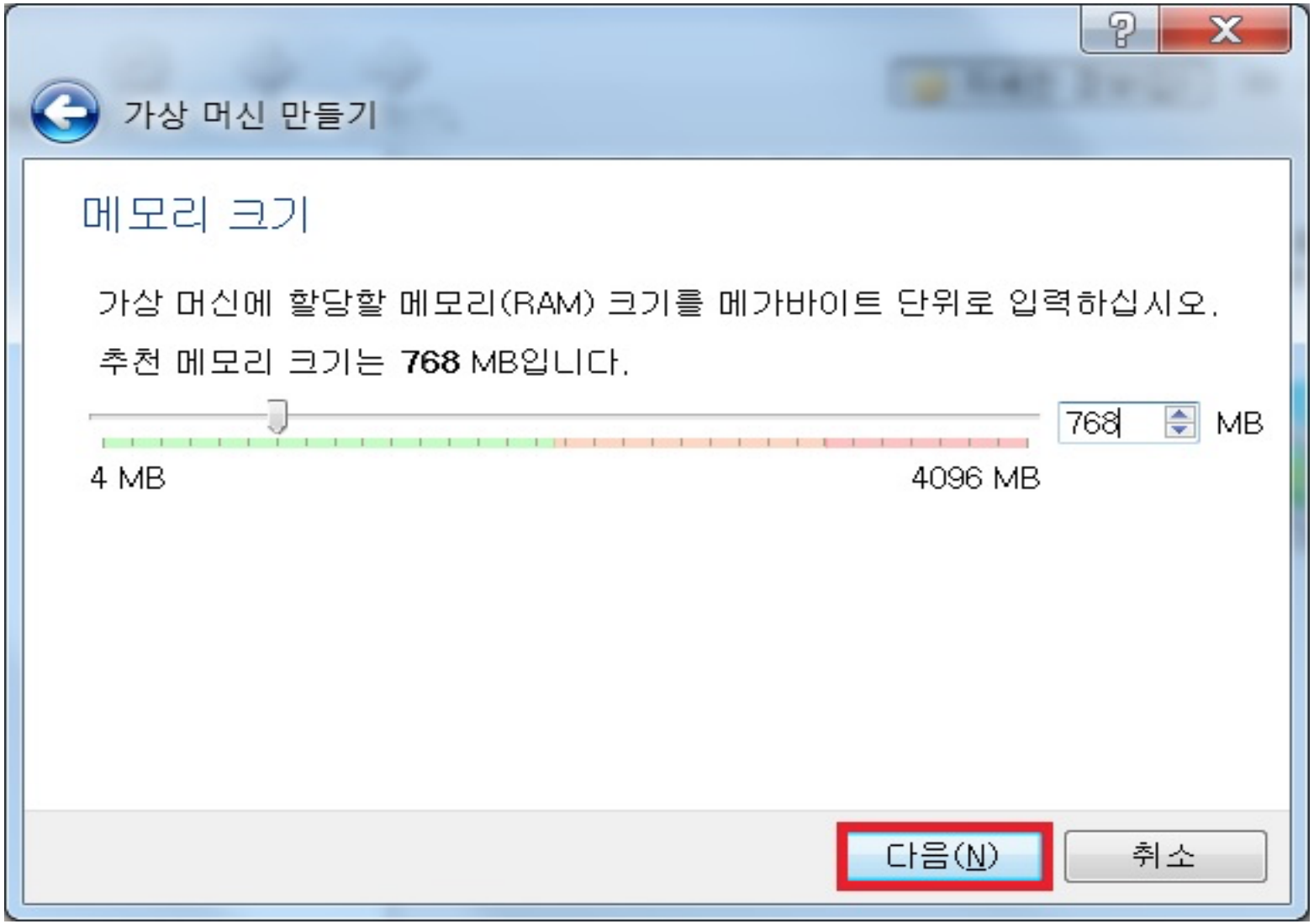

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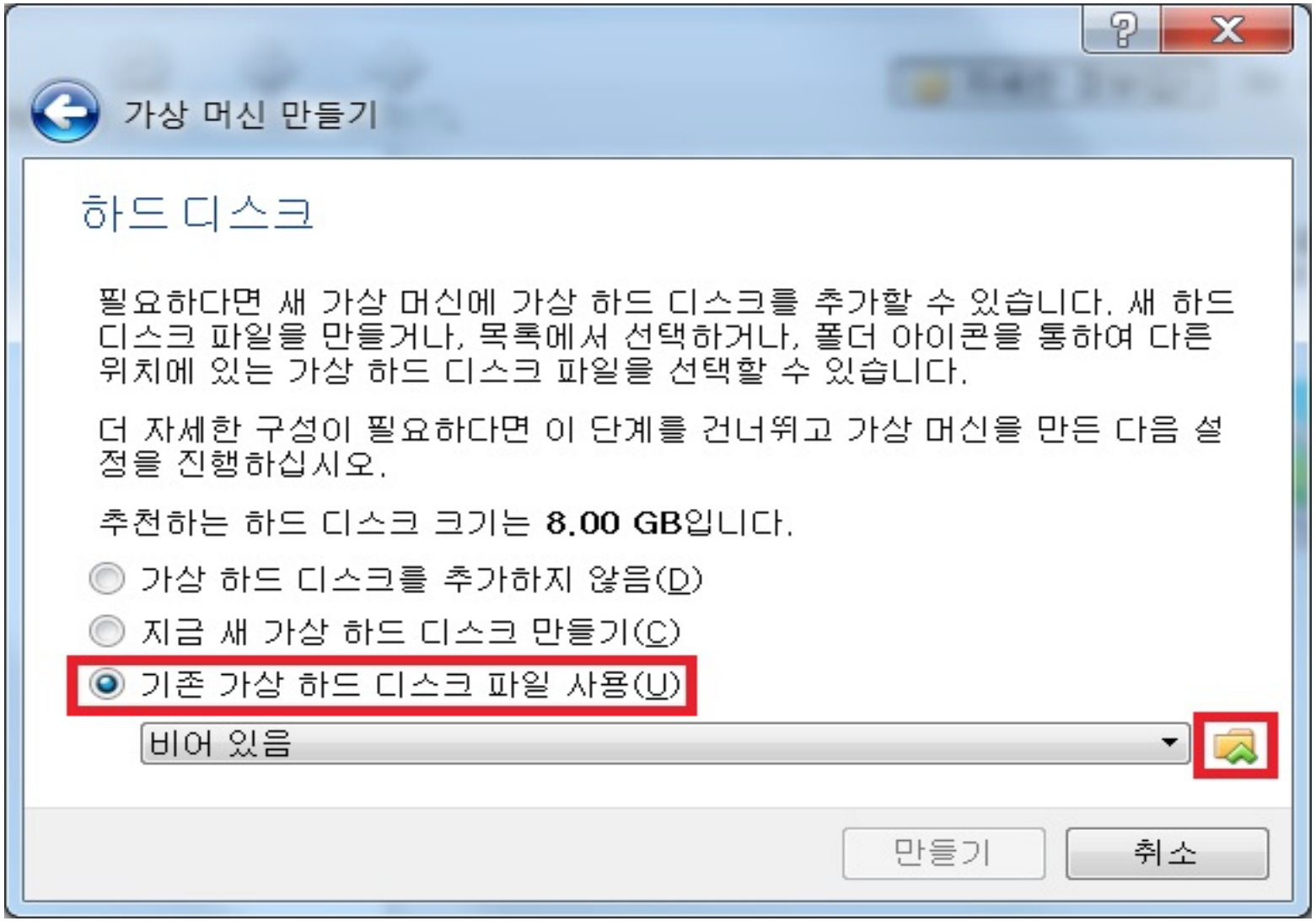
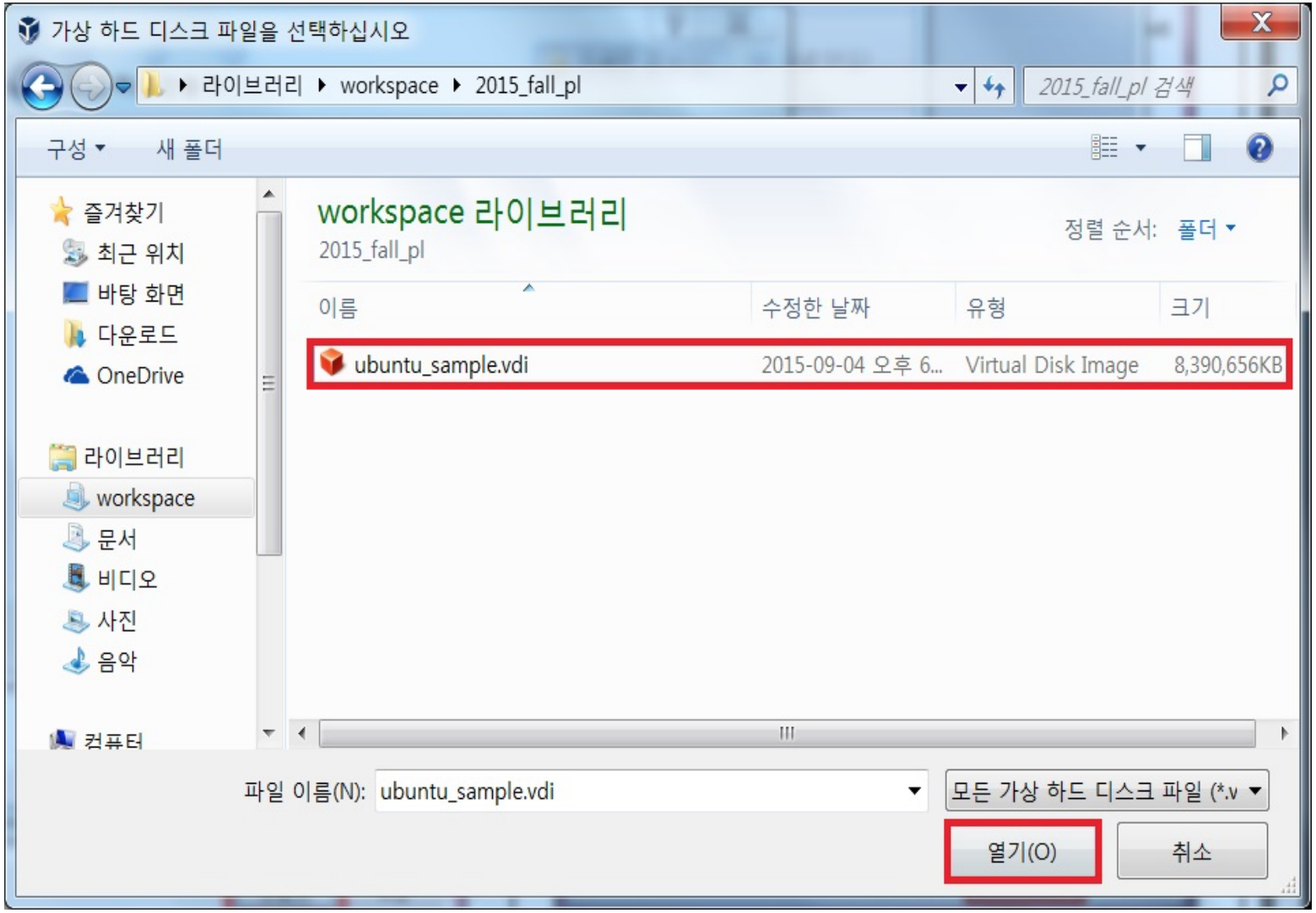


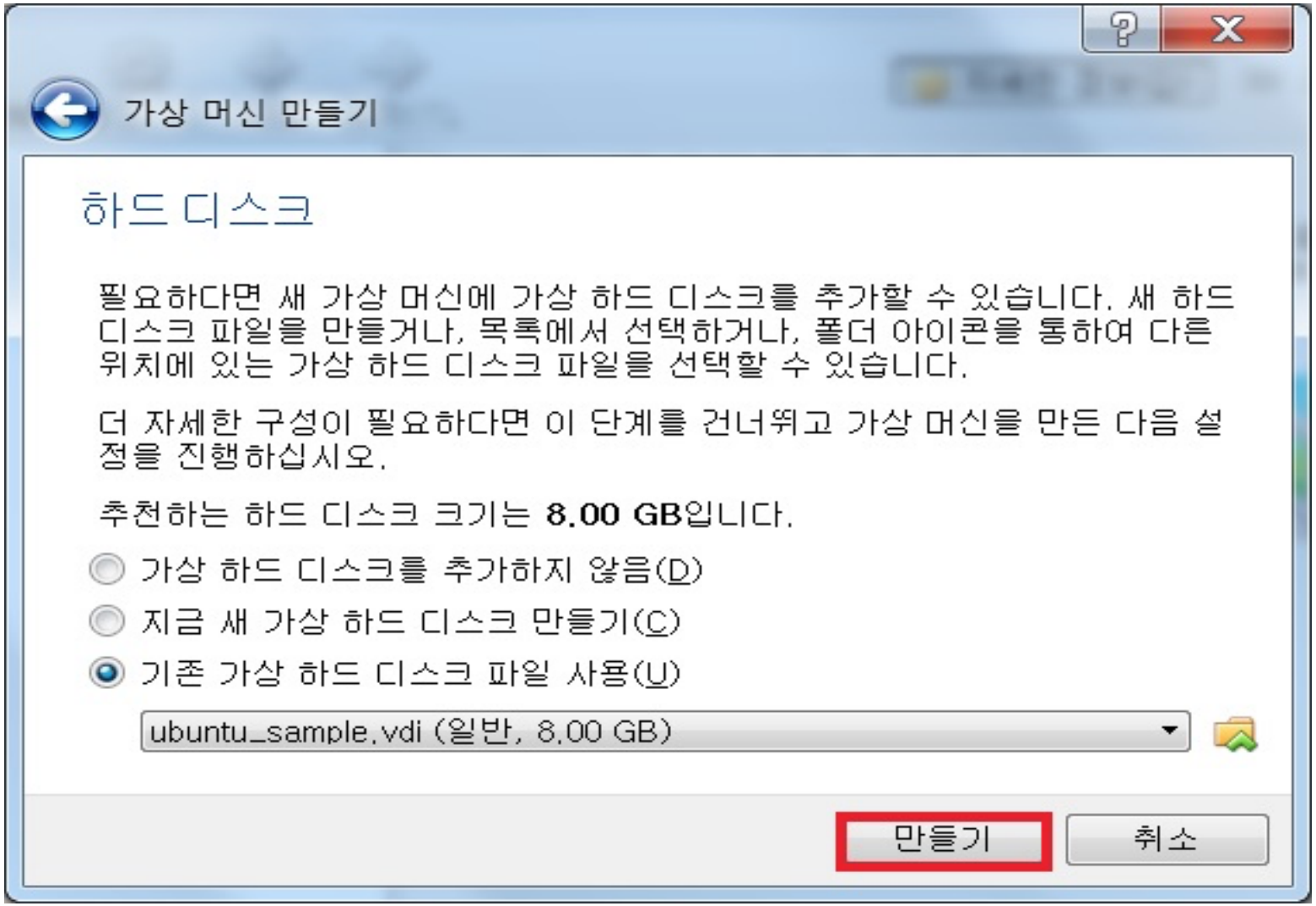
Select the last option and
click the Browse button on the bottom right side.

2. Install VirtualBox



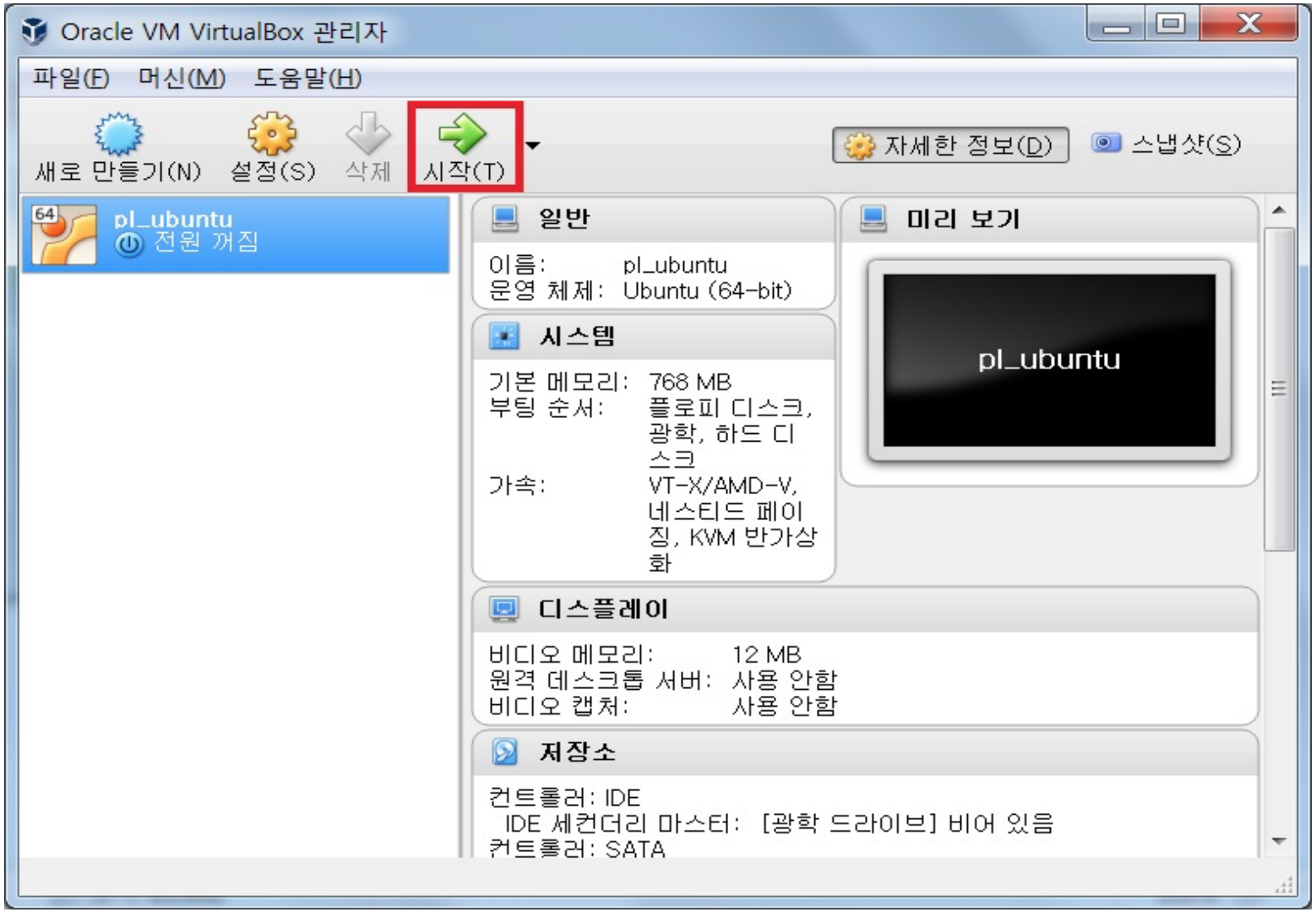
Open the VirtualBox image file you downloaded.

2. Install VirtualBox



Click the button highlighted in red.

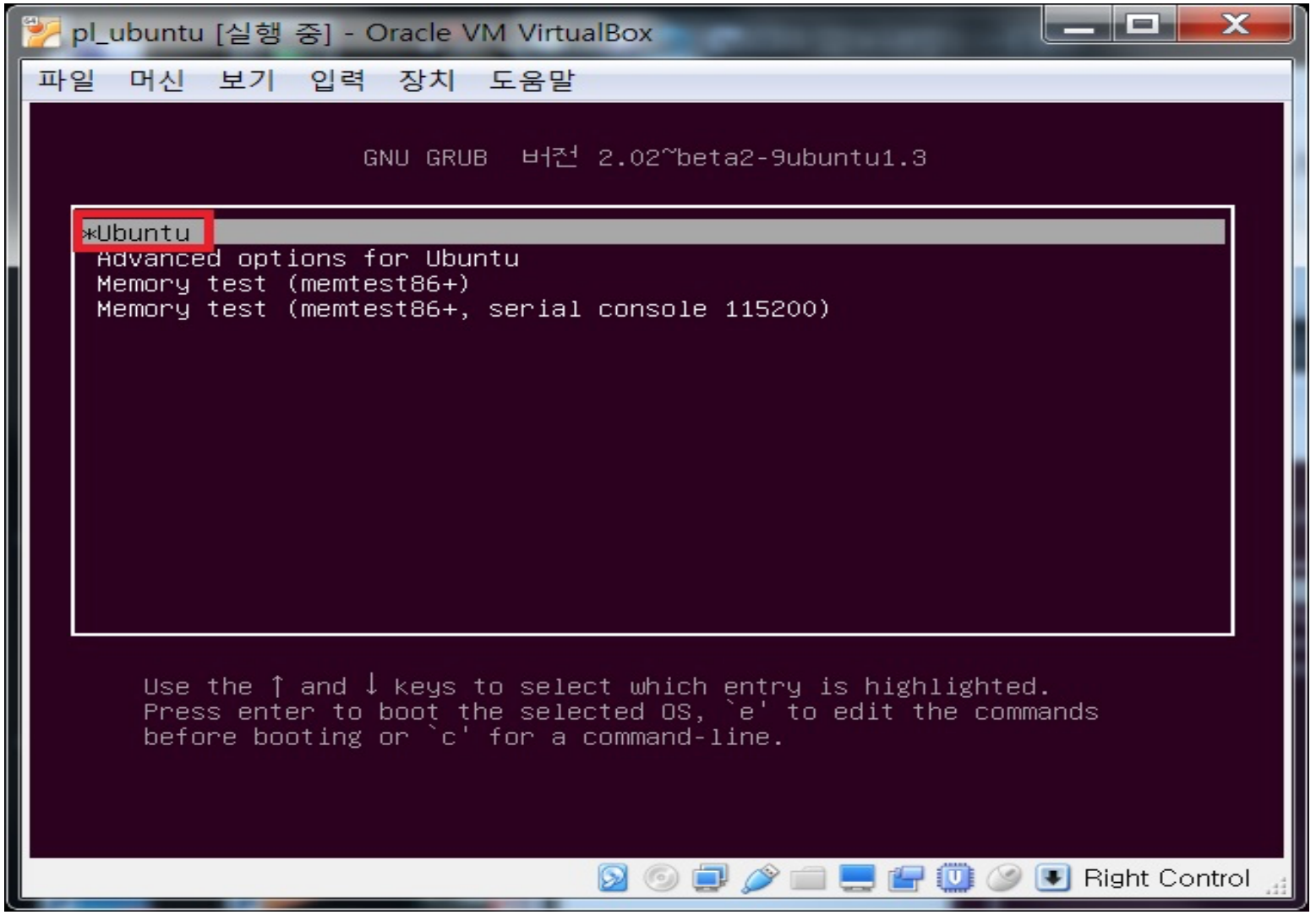
3. Run Ubuntu on VirtualBox



Almost done!

Click the button highlighted in red and then you can start Ubuntu.

3. Run Ubuntu on VirtualBox



Choose the option highlighted in red.

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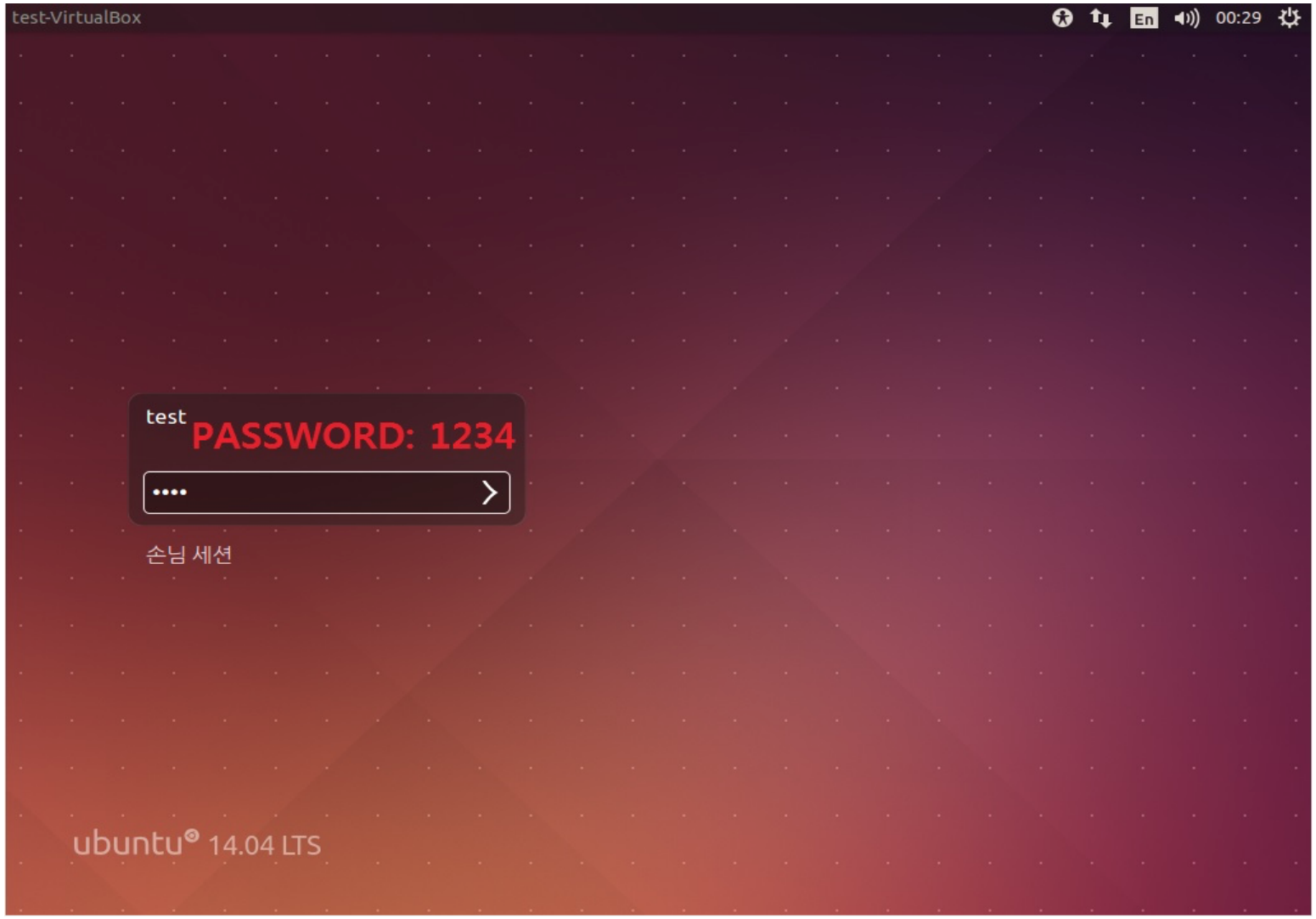

Log in with the password 1234.

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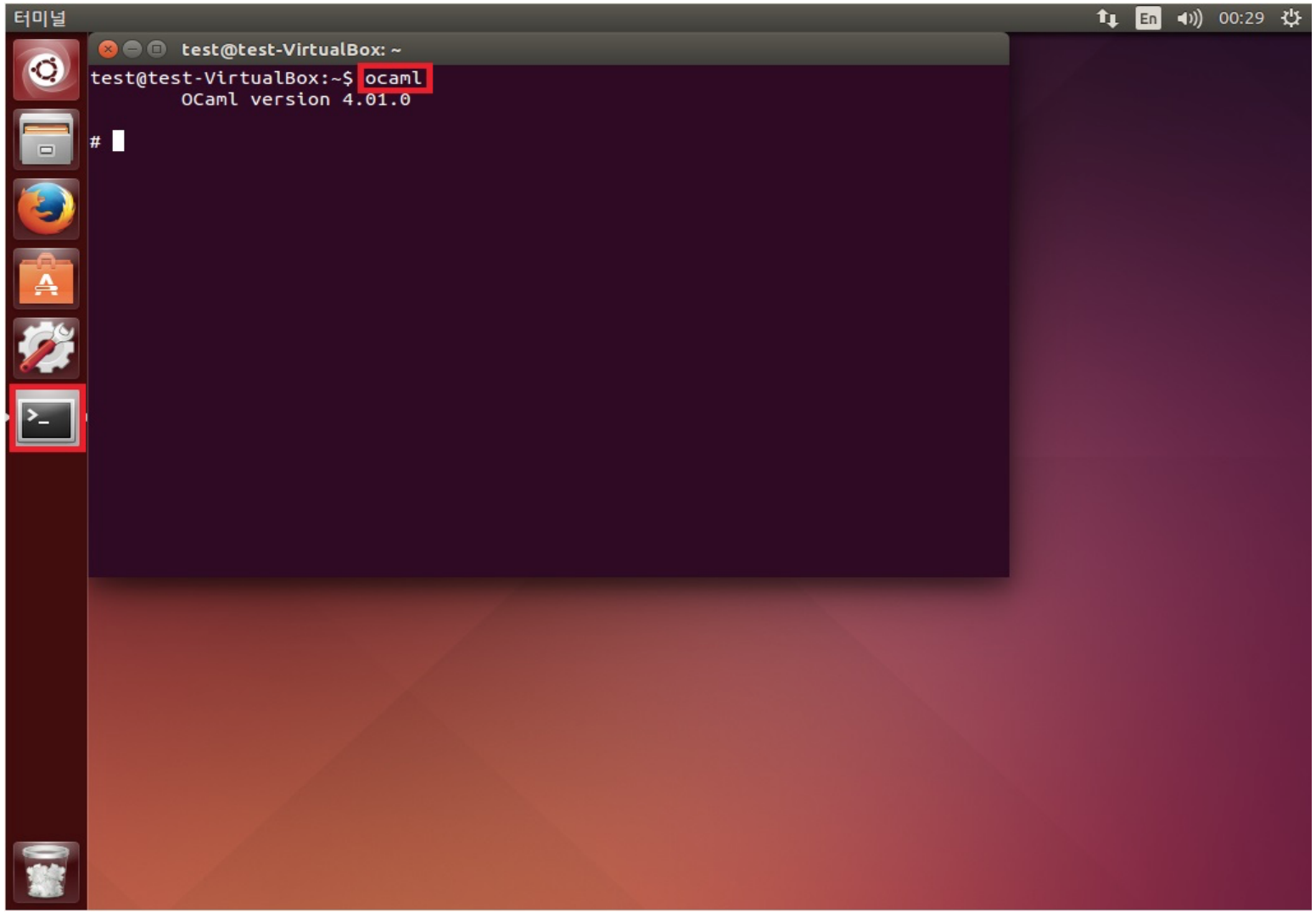
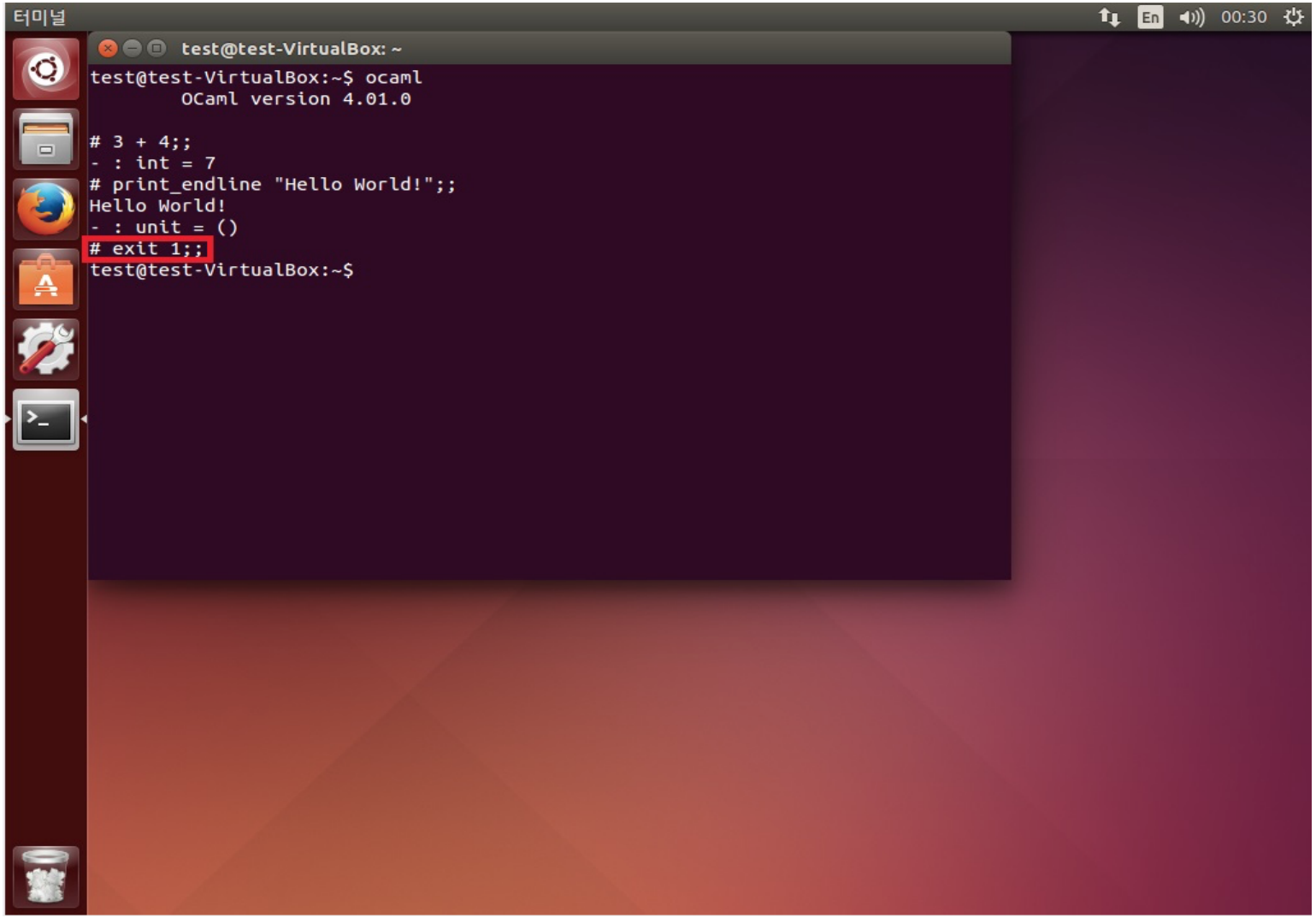


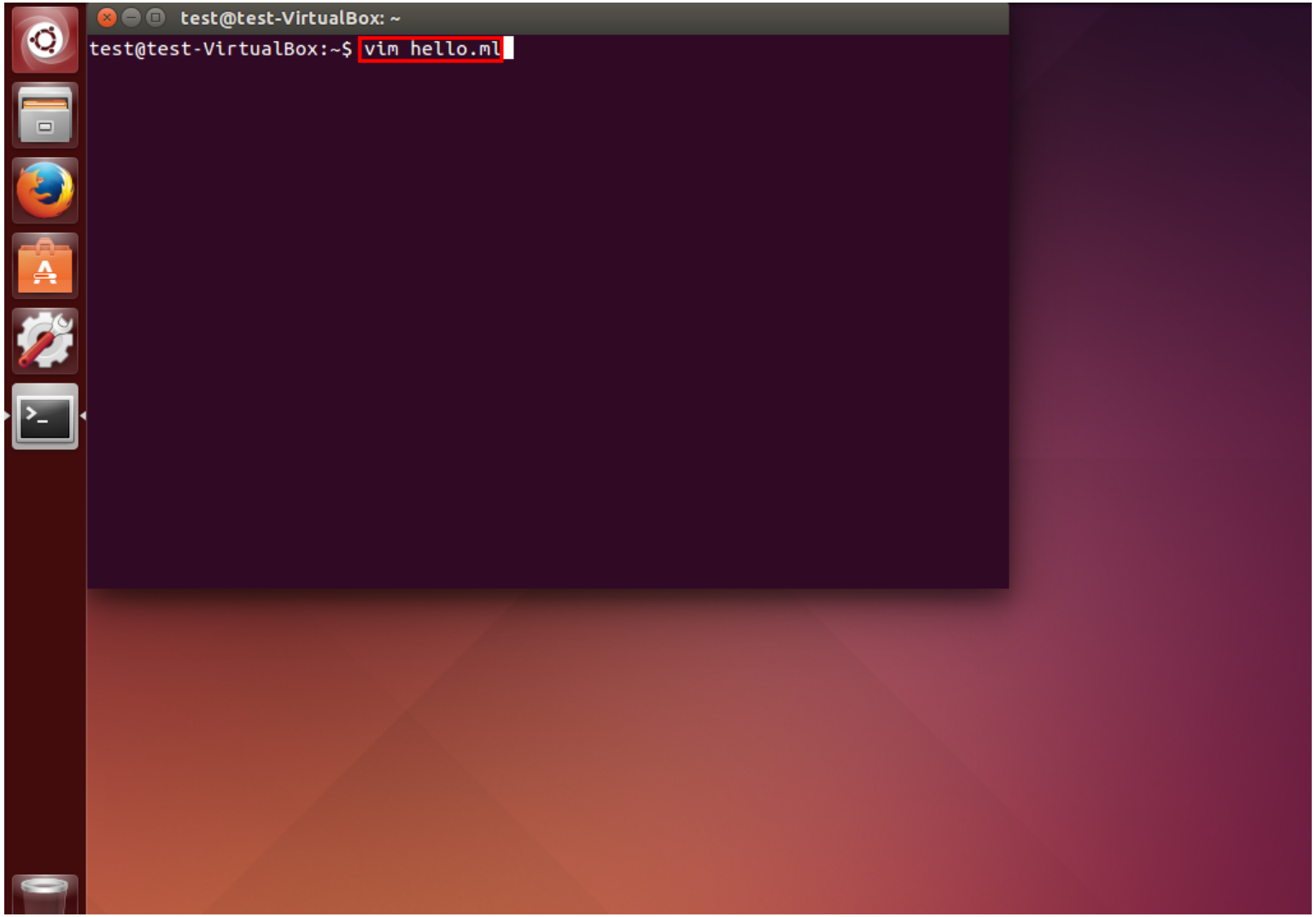
Open a terminal by clicking the black square icon highlighted in red.
After typing “ocaml”, you can play with Ocaml in interactive mode.
(Ocaml toplevel system, REPL)

3. Run Ubuntu on VirtualBox



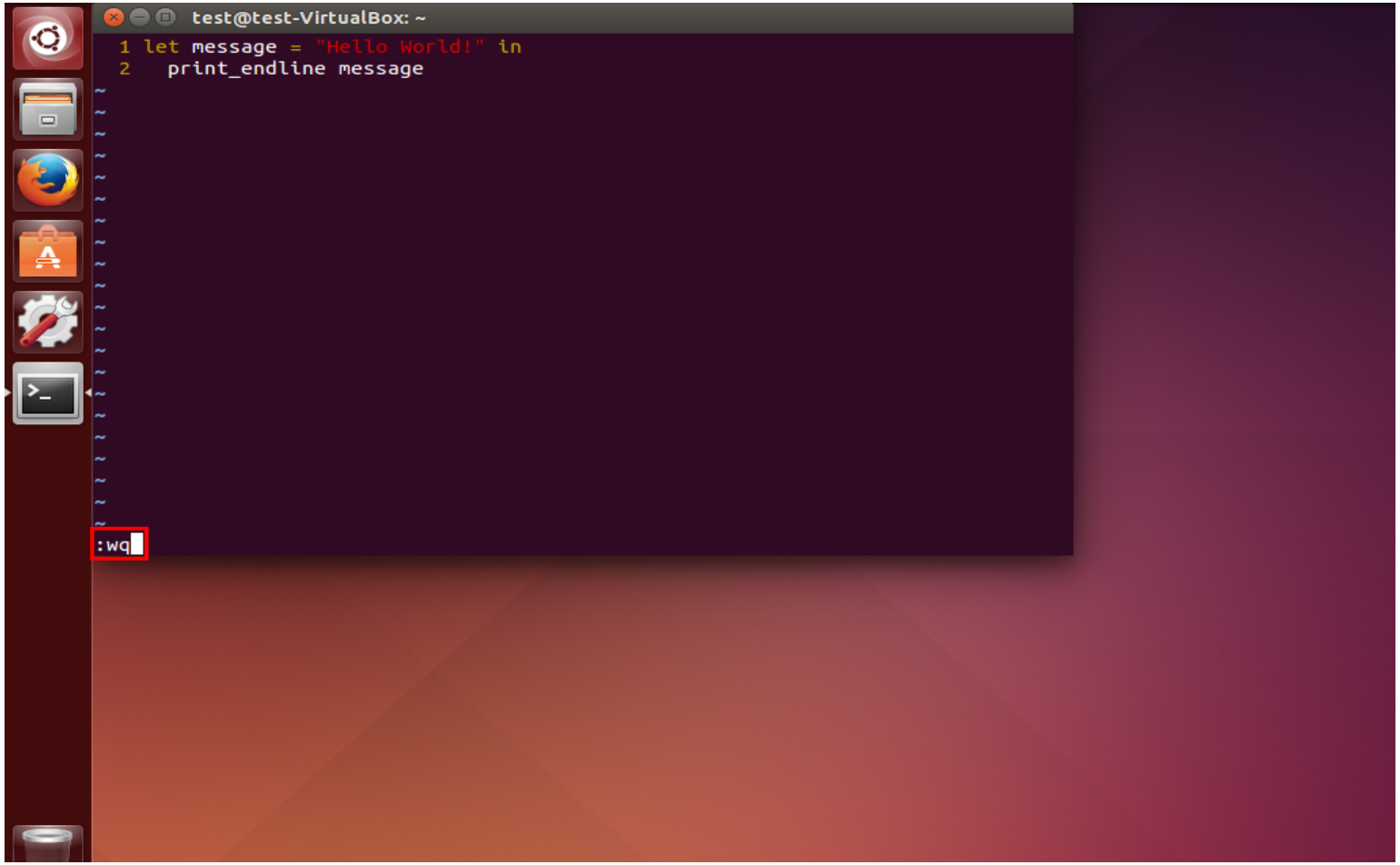
You can get back to terminal by typing: exit 1;;

4. Write a Source File with Vim



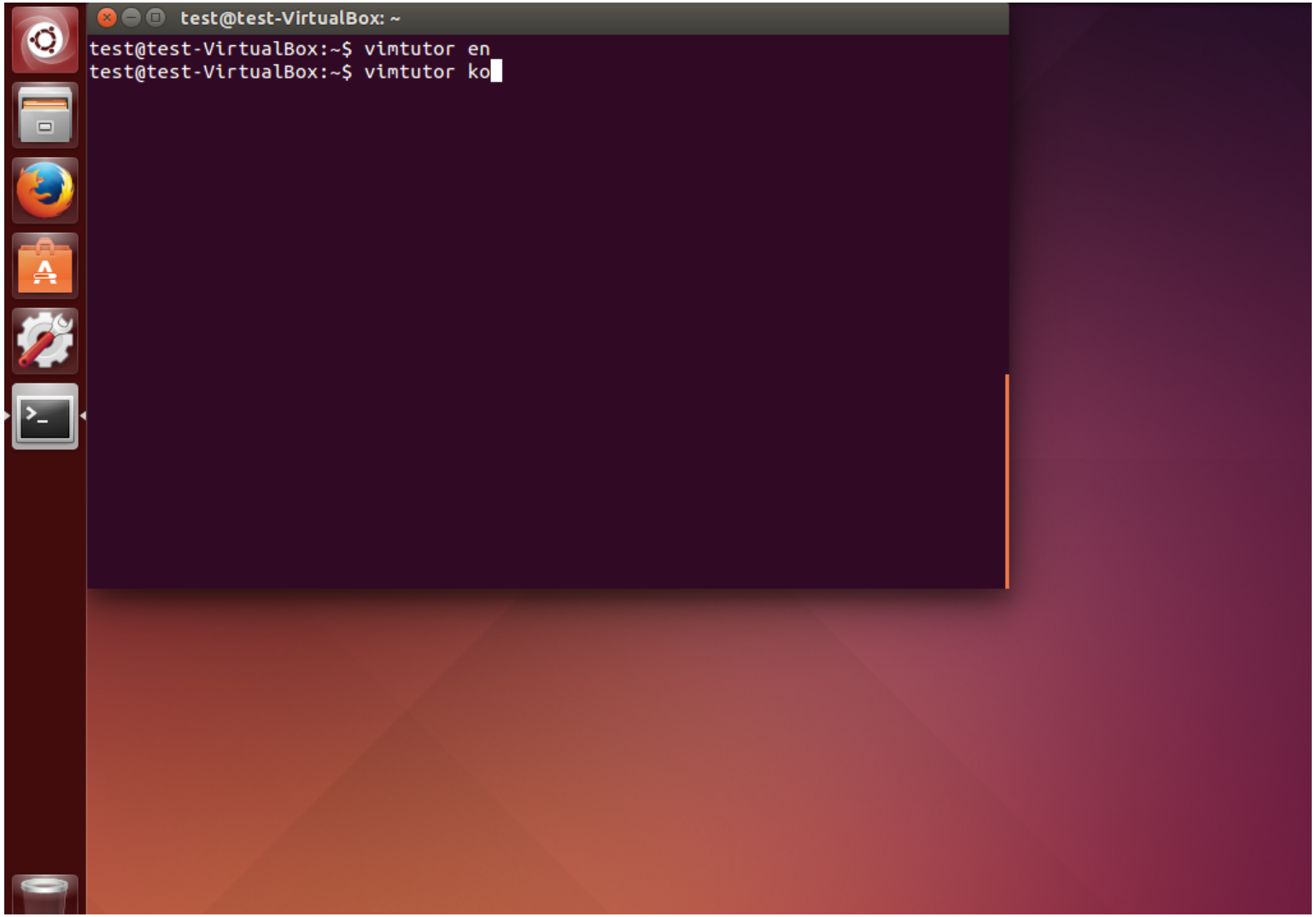
Edit a file by the command: `vim [options] [filename]`

4. Write a Source File with Vim



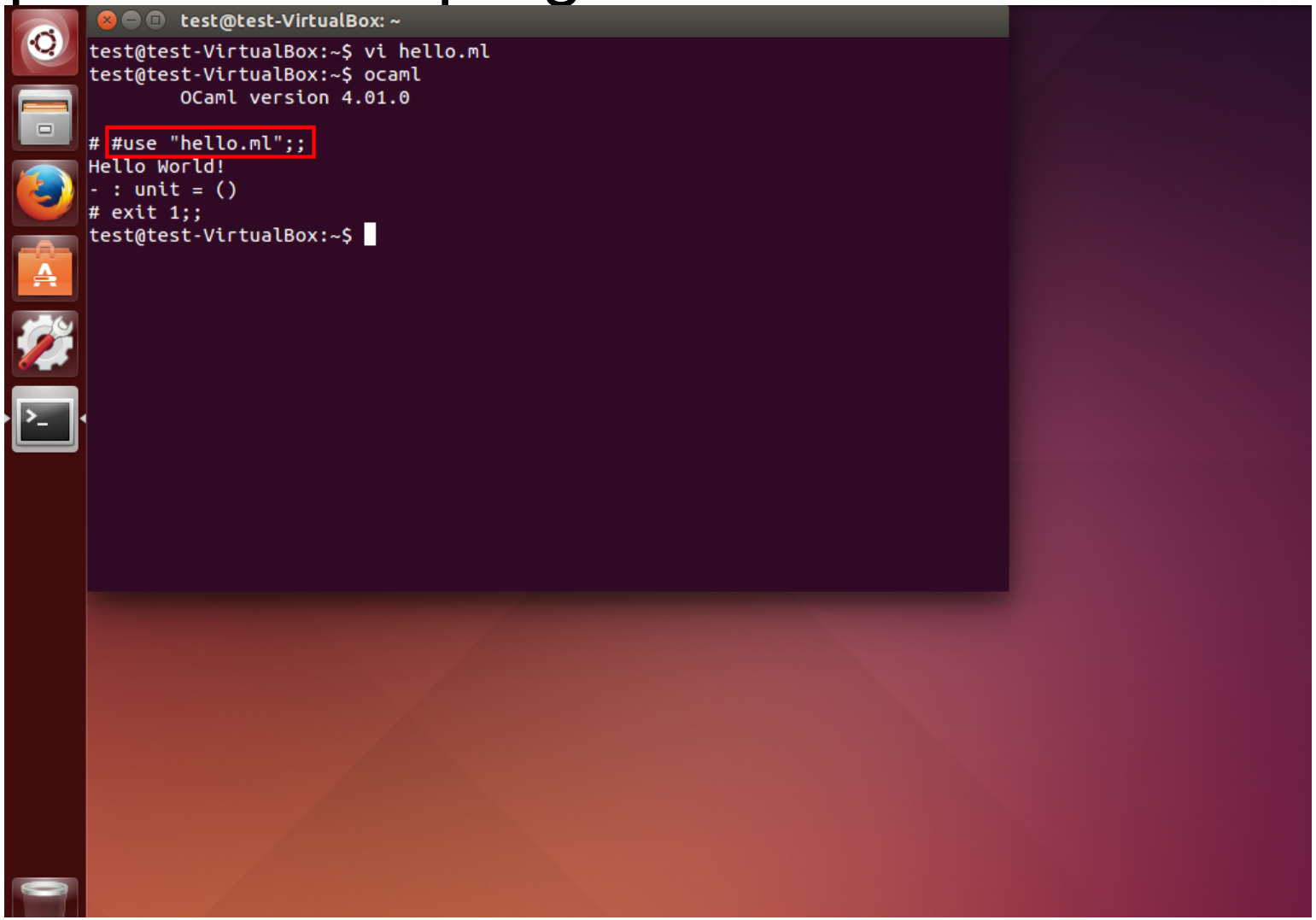
It begins in **command mode,** where you cannot edit text.
Press ‘i’ to trigger **insert mode** that lets you edit it.
Hitting ‘Esc’ returns you to command mode,
and you can type `':wq'` to save and finish the file.
(`':w'` for save only)

4. Write a Source File with Vim



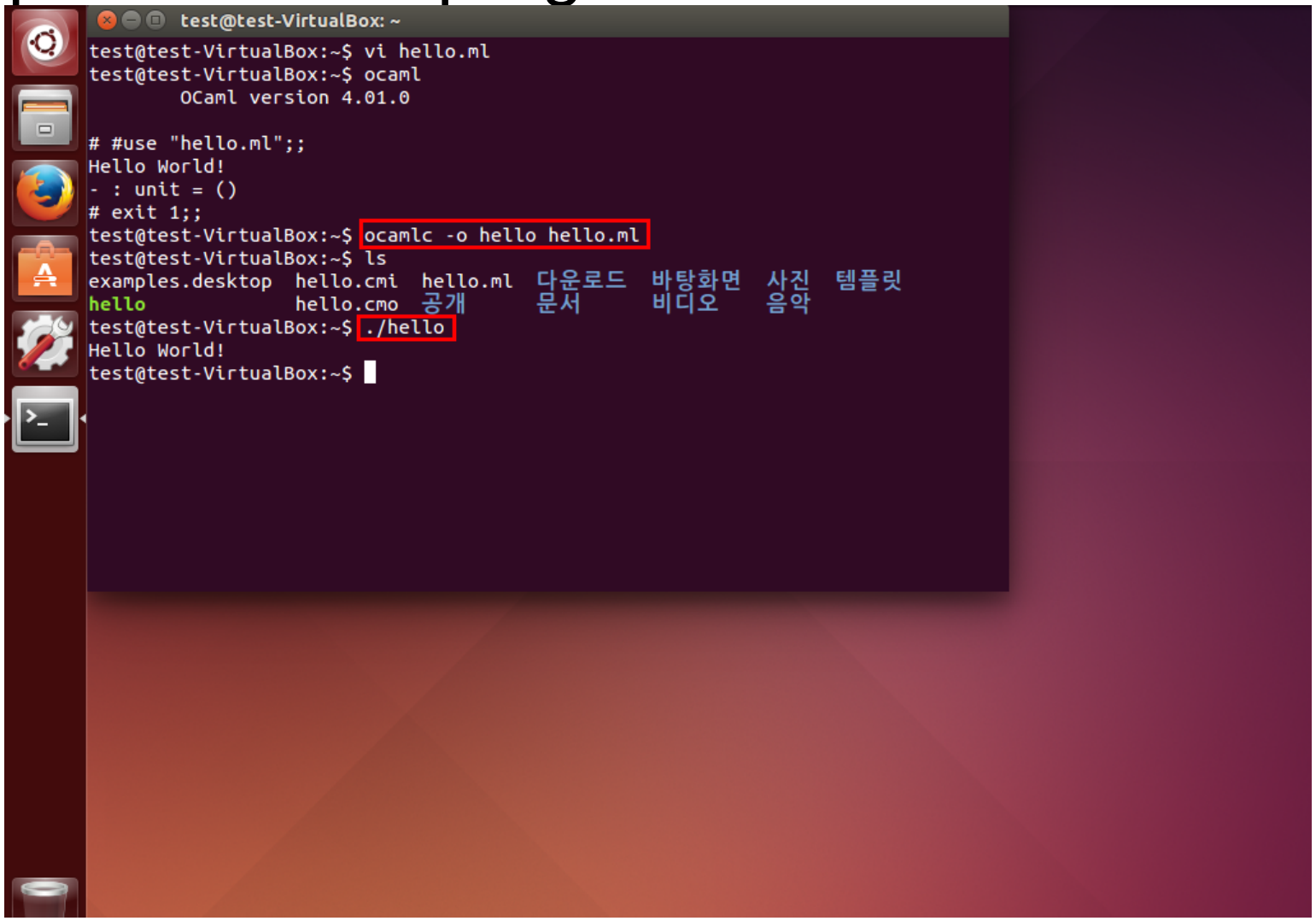
You can learn Vim with Vimtutor, and the tutorial is provided in both English and Korean.
It is strongly recommended to try it. (It will take just about 20 minutes!)

5. Compile and Run programs



You can import your source file by "*#use [filename]*" command on the REPL.

5. Compile and Run programs



Like the C language, you can compile programs and run executable files.

For compile, type: `ocamlc -o [output] [source file]`

The End

It is highly recommended that students use Ubuntu(OS) and Vim(Editor).

Q/A's and discussions will be done through our Google Plus Community.