Perform these steps inside VM after booting into default kernel

========== To build kernel ==========

- Open terminal
- Download linux kernel version 6.1.4
  - **$ wget https://cdn.kernel.org/pub/linux/kernel/v6.x/linux-6.1.4.tar.xz**

- Extract kernel from tar file
  - **$ tar -xvf linux-6.1.4.tar.xz**

- Install programs needed for kernel compilation (for ubuntu)
  - **$ sudo apt-get update**

  - **$ sudo apt-get install git fakeroot build-essential ncurses-dev xz-utils libssl-dev bc flex libelf-dev bison**

- Enter into linux source code directory
  - **$ cd linux-6.1.4/**

- Generate configuration file
  - **$ make defconfig**

- Initiate compilation (Takes around 30 min to 1 hour to finish)
  - **$ make -j4**

- Install modules
  - **$ sudo make modules_install**

- Install kernel
  - **$ sudo make install**

========== To show boot menu while booting==========

- If during booting, you want to pick a particular kernel to run, do the following operations. **(Needs to be done only once)**

- **$ sudo vi /etc/default/grub** (Open grub file. You can use any editor to edit it. Needs sudo permission to edit)
  - **#GRUB_TIMEOUT_STYLE=hidden** **//Comment this line by adding '#' //infront of it.**
  - **GRUB_TIMEOUT=30** **//Change timeout value from 0 to //30 secs. Let boot menu be //shown for 30 secs**

- Run following command to apply the above changes
    - **$ sudo update-grub**

- **Reboot**

========== verify the new kernel install==========

Note: You can use the following command to know the kernel version that got booted.
$ uname -a

========== END ==========

References: https://www.linux.com/topic/desktop/how-compile-linux-kernel-0/