

1. Используя команду `cat` в терминале операционной системы Linux, создать два файла Домашние животные (заполнив файл собаками, кошками, хомяками) и Вьючные животными заполнив файл Лошадьми, верблюдами и ослы), а затем объединить их. Просмотреть содержимое созданного файла. Переименовать файл, дав ему новое имя (Друзья человека).
2. Создать директорию, переместить файл туда.

```
user1@ubuntu-server: ~/animals/animals
user1@ubuntu-server:~/animals$ ls -l
total 0
user1@ubuntu-server:~/animals$ cat > pets
dogs
cats
hamsters
^C
user1@ubuntu-server:~/animals$ cat pets
dogs
cats
hamsters
user1@ubuntu-server:~/animals$ cat > pack_animals
horses
camels
donkeys
^C
user1@ubuntu-server:~/animals$ cat pack_animals
horses
camels
donkeys
user1@ubuntu-server:~/animals$ ls -l
total 8
-rw-rw-r-- 1 user1 user1 22 May 24 20:13 pack_animals
-rw-rw-r-- 1 user1 user1 19 May 24 20:11 pets
user1@ubuntu-server:~/animals$ cat pets pack_animals > animals
user1@ubuntu-server:~/animals$ ls -l
total 12
-rw-rw-r-- 1 user1 user1 41 May 24 20:15 animals
-rw-rw-r-- 1 user1 user1 22 May 24 20:13 pack_animals
-rw-rw-r-- 1 user1 user1 19 May 24 20:11 pets
user1@ubuntu-server:~/animals$ cat animals
```

```
user1@ubuntu-server: ~/animals/animals
user1@ubuntu-server:~/animals$ cat animals
dogs
cats
hamsters
horses
camels
donkeys
user1@ubuntu-server:~/animals$ mv animals > mans_friends
mv: missing destination file operand after 'animals'
Try 'mv --help' for more information.
user1@ubuntu-server:~/animals$ mv animals mans_friends
user1@ubuntu-server:~/animals$ ls -l
total 12
-rw-rw-r-- 1 user1 user1 41 May 24 20:15 mans_friends
-rw-rw-r-- 1 user1 user1 22 May 24 20:13 pack_animals
-rw-rw-r-- 1 user1 user1 19 May 24 20:11 pets
user1@ubuntu-server:~/animals$ cat mans_friends
dogs
cats
hamsters
horses
camels
donkeys
user1@ubuntu-server:~/animals$ mkdir animals
user1@ubuntu-server:~/animals$ ls -l
total 16
drwxrwxr-x 2 user1 user1 4096 May 24 20:25 animals
-rw-rw-r-- 1 user1 user1 41 May 24 20:15 mans_friends
-rw-rw-r-- 1 user1 user1 22 May 24 20:13 pack_animals
-rw-rw-r-- 1 user1 user1 19 May 24 20:11 pets
user1@ubuntu-server:~/animals$ cd animals
```

```
user1@ubuntu-server: ~/animals/animals
user1@ubuntu-server:~/animals$ cd animals
user1@ubuntu-server:~/animals/animals$ ls -l
total 0
user1@ubuntu-server:~/animals/animals$ cd ../
user1@ubuntu-server:~/animals$ mv mans_friends animals/
user1@ubuntu-server:~/animals$ ls -l
total 12
drwxrwxr-x 2 user1 user1 4096 May 24 20:32 animals
-rw-rw-r-- 1 user1 user1 22 May 24 20:13 pack_animals
-rw-rw-r-- 1 user1 user1 19 May 24 20:11 pets
user1@ubuntu-server:~/animals$ cd animals/
user1@ubuntu-server:~/animals/animals$ ls -l
total 4
-rw-rw-r-- 1 user1 user1 41 May 24 20:15 mans_friends
user1@ubuntu-server:~/animals/animals$
```

3. Подключить дополнительный репозиторий MySQL. Установить любой пакет из этого репозитория

```
root@ubuntu-server: ~
Last login: Fri Apr 21 11:02:08 2023 from 192.168.56.1
user1@ubuntu-server:~$ sudo su
[sudo] password for user1:
root@ubuntu-server:/home/user1# cd
root@ubuntu-server:~# wget https://dev.mysql.com/get/mysql-apt-config_0.8.23-1_all.deb
--2023-04-21 11:31:32-- https://dev.mysql.com/get/mysql-apt-config_0.8.23-1_all.deb
Resolving dev.mysql.com (dev.mysql.com)... 23.61.243.80, 2a02:26f0:d8:108f::2e31, 2a02:26f0:d8:1099::2e31
Connecting to dev.mysql.com (dev.mysql.com)|23.61.243.80|:443... connected.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: https://repo.mysql.com//mysql-apt-config_0.8.23-1_all.deb [following]
--2023-04-21 11:31:33-- https://repo.mysql.com//mysql-apt-config_0.8.23-1_all.deb
Resolving repo.mysql.com (repo.mysql.com)... 184.50.200.228
Connecting to repo.mysql.com (repo.mysql.com)|184.50.200.228|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 18028 (18K) [application/x-debian-package]
Saving to: 'mysql-apt-config_0.8.23-1_all.deb'

mysql-apt-config_0.8.23-1_all 100%[=====] 17.61K --.-KB/s in 0s

2023-04-21 11:31:33 (56.6 MB/s) - 'mysql-apt-config_0.8.23-1_all.deb' saved [18028/18028]

root@ubuntu-server:~# dpkg -i mysql-apt-config_0.8.23-1_all.deb
Selecting previously unselected package mysql-apt-config.
(Reading database ... 108934 files and directories currently installed.)
Preparing to unpack mysql-apt-config_0.8.23-1_all.deb ...
Unpacking mysql-apt-config (0.8.23-1) ...
Setting up mysql-apt-config (0.8.23-1) ...
Warning: apt-key should not be used in scripts (called from postinst maintainer script of the package mysql-apt-config)
OK
root@ubuntu-server:~#
```

```
root@ubuntu-server: ~  
Package configuration  
  
Configuring mysql-apt-config  
MySQL APT Repo features MySQL Server along with a variety of MySQL components. You may select the appropriate product to choose the version that you wish to receive.  
  
Once you are satisfied with the configuration then select last option 'Ok' to save the configuration, then run 'apt-get update' to load package list. Advanced users can always change the configurations later, depending on their own needs.  
  
Which MySQL product do you wish to configure?  
  
MySQL Server & Cluster (Currently selected: mysql-8.0)  
MySQL Tools & Connectors (Currently selected: Enabled)  
MySQL Preview Packages (Currently selected: Disabled)  
Ok  
  
<Ok>
```

```
Выбрать root@ubuntu-server: ~  
root@ubuntu-server:~# apt-get update  
Hit:1 http://ru.archive.ubuntu.com/ubuntu focal InRelease  
Get:2 http://repo.mysql.com/apt/ubuntu focal InRelease [12.9 kB]  
Get:3 http://ru.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]  
Get:4 https://download.docker.com/linux/ubuntu focal InRelease [57.7 kB]  
Get:5 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 Sources [963 B]  
Get:6 http://ru.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]  
Get:7 http://ru.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]  
Get:8 http://repo.mysql.com/apt/ubuntu focal/mysql-apt-config amd64 Packages [565 B]  
Get:9 http://ru.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2,570 kB]  
Get:10 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [30.3 kB]  
Get:11 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 Packages [8,589 B]  
Get:12 http://repo.mysql.com/apt/ubuntu focal/mysql-tools amd64 Packages [6,326 B]  
Get:13 http://ru.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [434 kB]  
Get:14 http://ru.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [16.6 kB]  
Get:15 http://ru.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1,879 kB]  
Get:16 http://ru.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [264 kB]  
Get:17 http://ru.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1,063 kB]  
Get:18 http://ru.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [253 kB]  
Get:19 http://ru.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [24.3 kB]  
Get:20 http://ru.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.7 kB]  
Get:21 http://ru.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1,420 B]  
Get:22 http://ru.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]  
Get:23 http://ru.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]  
Get:24 http://ru.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [2,192 kB]  
Get:25 http://ru.archive.ubuntu.com/ubuntu focal-security/main Translation-en [354 kB]  
Get:26 http://ru.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]  
Get:27 http://ru.archive.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1,770 kB]  
Get:28 http://ru.archive.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]  
Get:29 http://ru.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
```

```
Выбрать root@ubuntu-server: ~
Get:29 http://ru.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:30 http://ru.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:31 http://ru.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Fetched 12.6 MB in 8s (1,525 kB/s)
Reading package lists... Done
root@ubuntu-server:~#
```

Установим MySQL-сервер:

```
Выбрать root@ubuntu-server: ~
root@ubuntu-server:~#
root@ubuntu-server:~# apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client mysql-common mysql-community-client
  mysql-community-client-core mysql-community-client-plugins mysql-community-server mysql-community-server-core
The following NEW packages will be installed:
  libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client mysql-common mysql-community-client
  mysql-community-client-core mysql-community-client-plugins mysql-community-server mysql-community-server-core
  mysql-server
0 upgraded, 12 newly installed, 0 to remove and 42 not upgraded.
Need to get 43.1 MB of archives.
After this operation, 366 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ru.archive.ubuntu.com/ubuntu focal/main amd64 libmecab2 amd64 0.996-10build1 [233 kB]
Get:2 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-common amd64 8.0.33-1ubuntu20.04 [69.6 kB]
Get:3 http://ru.archive.ubuntu.com/ubuntu focal/main amd64 mecab-utils amd64 0.996-10build1 [4,912 B]
Get:4 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-client-plugins amd64 8.0.33-1ubuntu20.04 [1,305 kB]
Get:5 http://ru.archive.ubuntu.com/ubuntu focal/main amd64 mecab-ipadic all 2.7.0-20070801+main-2.1 [6,714 kB]
Get:6 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-client-core amd64 8.0.33-1ubuntu20.04 [1,915 kB]
Get:7 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-client amd64 8.0.33-1ubuntu20.04 [3,505 kB]
Get:8 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-client amd64 8.0.33-1ubuntu20.04 [68.4 kB]
Get:9 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-server-core amd64 8.0.33-1ubuntu20.04 [29.1 MB]
79% [9 mysql-community-server-core 27.8 MB/29.1 MB 95%] [5 mecab-ipadic 1,252 kB/6,714 kB 19%] 1,778 kB/s 3s
```

```
root@ubuntu-server: ~
Package configuration

Configuring mysql-community-server
Please provide a strong password that will be set for the root account of your MySQL database. Leave it blank to
enable password less login using UNIX socket based authentication.

Enter root password:
***
<Ok>

root@ubuntu-server: ~
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Noun.adverbial.csv ... 795
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix      : 100% |#####|

done!
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in aut
o mode
Setting up mysql-community-client (8.0.33-1ubuntu20.04) ...
Setting up mysql-client (8.0.33-1ubuntu20.04) ...
Setting up mysql-community-server (8.0.33-1ubuntu20.04) ...
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my.cnf) in auto mode
Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service → /lib/systemd/system/mysql.service.
Setting up mysql-server (8.0.33-1ubuntu20.04) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
root@ubuntu-server:~#
```

4. Установить и удалить deb-пакет с помощью dpkg

Установим пакет браузера Vivaldi. Перед этим убедимся, что этот пакет не установлен в системе:

```
root@ubuntu-server: ~
root@ubuntu-server:~# ^C
root@ubuntu-server:~# ^C
root@ubuntu-server:~# ^C
root@ubuntu-server:~# ^C
root@ubuntu-server:~# dpkg --get-selections
accountsservice          install
adduser                  install
alsa-topology-conf       install
alsa-ucm-conf            install
amd64-microcode          install
apparmor                 install
apport                   install
apport-symptoms          install
apt                      install
apt-utils                install
at                       install
base-files               install
base-passwd              install
bash                     install
bash-completion          install
bc                       install
bcache-tools             install
bind9-dnsutils           install
bind9-host               install
bind9libs:amd64          install
bolt                     install
bsdmainutils             install
bsdutils                 install
btrfs-progs              install
busybox-initramfs        install
```

```
Выбрать root@ubuntu-server: ~
ubuntu-release-upgrader-core  install
ubuntu-server                 install
ubuntu-standard               install
ucf                           install
udev                          install
udisks2                       install
ufw                           install
unattended-upgrades           install
unzip                         install
update-manager-core           install
update-notifier-common        install
upower                        install
usb-modeswitch                install
usb-modeswitch-data           install
usb.ids                       install
usbmuxd                       install
usbutils                      install
util-linux                   install
uuid-runtime                  install
vim                           install
vim-common                    install
vim-runtime                   install
vim-tiny                      install
wget                          install
whiptail                      install
wireless-regdb                install
xauth                         install
xdg-user-dirs                  install
xfsprogs                       install
xkb-data                       install
```

Скачаем пакет:

```
root@ubuntu-server: ~
root@ubuntu-server:~# ^C
root@ubuntu-server:~# ^C
root@ubuntu-server:~# wget https://downloads.vivaldi.com/stable/vivaldi-stable_amd64.deb
--2023-02-23 11:39:56-- https://downloads.vivaldi.com/stable/vivaldi-stable_amd64.deb
Resolving downloads.vivaldi.com (downloads.vivaldi.com)... 146.75.122.137, 2a04:4e42:8e::649
Connecting to downloads.vivaldi.com (downloads.vivaldi.com)|146.75.122.137|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 101595952 (97M) [application/octet-stream]
Saving to: 'vivaldi-stable_amd64.deb'

vivaldi-stable_amd64.deb      100%[=====] 96.89M  2.55MB/s   in 50s

2023-02-23 11:40:51 (1.94 MB/s) - 'vivaldi-stable_amd64.deb' saved [101595952/101595952]

root@ubuntu-server:~#
```

Установим пакет. При установке возникли проблемы из-за зависимостей от других пакетов:

```
2023-02-23 11:40:51 (1.94 MB/s) - 'vivaldi-stable_amd64.deb' saved [101595952/101595952]

root@ubuntu-server:~# dpkg -i vivaldi-stable_amd64.deb
Selecting previously unselected package vivaldi-stable.
(Reading database ... 72757 files and directories currently installed.)
Preparing to unpack vivaldi-stable_amd64.deb ...
Unpacking vivaldi-stable (5.7.2921.53-1) ...
dpkg: dependency problems prevent configuration of vivaldi-stable:
 vivaldi-stable depends on fonts-liberation; however:
  Package fonts-liberation is not installed.
 vivaldi-stable depends on libatk-bridge2.0-0 (>= 2.5.3); however:
  Package libatk-bridge2.0-0 is not installed.
 vivaldi-stable depends on libatk1.0-0 (>= 2.2.0); however:
  Package libatk1.0-0 is not installed.
 vivaldi-stable depends on libatspi2.0-0 (>= 2.9.90); however:
  Package libatspi2.0-0 is not installed.
 vivaldi-stable depends on libcairo2 (>= 1.6.0); however:
  Package libcairo2 is not installed.
 vivaldi-stable depends on libcups2 (>= 1.6.0); however:
  Package libcups2 is not installed.
 vivaldi-stable depends on libgbm1 (>= 17.1.0~rc2); however:
  Package libgbm1 is not installed.
 vivaldi-stable depends on libgtk-3-0 (>= 3.9.10) | libgtk-4-1; however:
  Package libgtk-3-0 is not installed.
  Package libgtk-4-1 is not installed.
 vivaldi-stable depends on libpango-1.0-0 (>= 1.14.0); however:
  Package libpango-1.0-0 is not installed.
 vivaldi-stable depends on libu2f-udev; however:
  Package libu2f-udev is not installed.
```



```
root@ubuntu-server: ~
vivaldi-stable depends on libgbm1 (>= 17.1.0~rc2); however:
Package libgbm1 is not installed.
vivaldi-stable depends on libgtk-3-0 (>= 3.9.10) | libgtk-4-1; however:
Package libgtk-3-0 is not installed.
Package libgtk-4-1 is not installed.
vivaldi-stable depends on libpango-1.0-0 (>= 1.14.0); however:
Package libpango-1.0-0 is not installed.
vivaldi-stable depends on libu2f-udev; however:
Package libu2f-udev is not installed.
vivaldi-stable depends on libvulkan1; however:
Package libvulkan1 is not installed.
vivaldi-stable depends on libxcomposite1 (>= 1:0.4.4-1); however:
Package libxcomposite1 is not installed.
vivaldi-stable depends on libxdamage1 (>= 1:1.1); however:
Package libxdamage1 is not installed.
vivaldi-stable depends on libxfixes3; however:
Package libxfixes3 is not installed.
vivaldi-stable depends on libxkbcommon0 (>= 0.5.0); however:
Package libxkbcommon0 is not installed.
vivaldi-stable depends on libxrandr2; however:
Package libxrandr2 is not installed.
vivaldi-stable depends on xdg-utils (>= 1.0.2); however:
Package xdg-utils is not installed.

dpkg: error processing package vivaldi-stable (--install):
dependency problems - leaving unconfigured
Processing triggers for mime-support (3.64ubuntu1) ...
Errors were encountered while processing:
 vivaldi-stable
root@ubuntu-server:~#
```

Для исправления ошибок воспользуемся командой:

`apt -f install`

```
root@ubuntu-server: ~
Errors were encountered while processing:
 vivaldi-stable
root@ubuntu-server:~# apt -f install
Reading package lists... Done
Building dependency tree
Reading state information... Done
Correcting dependencies... Done
The following additional packages will be installed:
 adwaita-icon-theme at-spi2-core cpp cpp-9 fontconfig fonts-liberation gcc-9-base gtk-update-icon-cache
 hicolor-icon-theme humanity-icon-theme libatk-bridge2.0-0 libatk1.0-0 libatk1.0-data libatspi2.0-0
 libauthen-sasl-perl libavahi-client3 libavahi-common-data libavahi-common3 libcairo-gobject2 libcairo2 libcolord2
 libcups2 libdata-dump-perl libdatatr1 libdrm-amdgpu1 libdrm-intel1 libdrm-nouveau2 libdrm-radeon1
 libencode-locale-perl libepoxy0 libfile-basedir-perl libfile-desktopentry-perl libfile-listing-perl
 libfile-mimeinfo-perl libfont-afm-perl libfontenc1 libgbm1 libgdk-pixbuf2.0-0 libgdk-pixbuf2.0-bin
 libgdk-pixbuf2.0-common libgl1 libgl1-mesa-dri libglapi-mesa libglvnd0 libglx-mesa0 libglx0 libgraphite2-3
 libgtk-3-0 libgtk-3-bin libgtk-3-common libharfbuzz0b libhtml-form-perl libhtml-format-perl libhtml-parser-perl
 libhtml-tagset-perl libhtml-tree-perl libhttp-cookies-perl libhttp-daemon-perl libhttp-date-perl
 libhttp-message-perl libhttp-negotiate-perl libice6 libio-html-perl libio-socket-ssl-perl libio-stringy-perl
 libipc-system-simple-perl libisl22 liblcms2-2 libllvm12 liblwp-mediatypes-perl liblwp-protocol-https-perl
 libmailtools-perl libmpc3 libnet-dbus-perl libnet-http-perl libnet-smtp-ssl-perl libnet-ssleay-perl libpango-1.0-0
 libpangocairo-1.0-0 libpangoft2-1.0-0 libpciaccess0 libpixmap-1-0 librest-0.7-0 librsvg2-2 librsvg2-common
 libsensors-config libsensors5 libsm6 libsoup-gnome2.4-1 libthai-data libthai0 libtie-ixhash-perl libtimedate-perl
 libtiny-perl libu2f-udev liburi-perl libvulkan1 libwayland-client0 libwayland-cursor0 libwayland-egl1
 libwayland-server0 libwww-perl libwww-robotrules-perl libx11-protocol-perl libx11-xcb1 libxaw7 libxcb-dri2-0
 libxcb-dri3-0 libxcb-glx0 libxcb-present0 libxcb-randr0 libxcb-render0 libxcb-shape0 libxcb-shm0 libxcb-sync1
 libxcb-xfixes0 libxcomposite1 libxcursor1 libxdamage1 libxfixes3 libxft2 libxi6 libxinerama1 libxkbcommon0
 libxkbfile1 libxml-parser-perl libxml-twig-perl libxml-xpathengine-perl libxmu6 libxrandr2 libxrender1 libxshmfence1
 libxt6 libxtst6 libxv1 libxxf86dga1 libxxf86vm1 mesa-vulkan-drivers perl-openssl-defaults ubuntu-mono x11-common
 x11-utils x11-xserver-utils xdg-utils
Suggested packages:
```



```
root@ubuntu-server: ~
cpp-doc gcc-9-locales libdigest-hmac-perl libgssapi-perl colord cups-common gvfs liblcms2-utils libcrypt-ssleay-perl
librsvg2-bin lm-sensors libauthen-ntlm-perl libunicode-map8-perl libunicode-string-perl xml-twig-tools mesa-utils
nickle cairo-5c xorg-docs-core
The following NEW packages will be installed:
adwaita-icon-theme at-spi2-core cpp cpp-9 fontconfig fonts-liberation gcc-9-base gtk-update-icon-cache
hicolor-icon-theme humanity-icon-theme libatk-bridge2.0-0 libatk1.0-0 libatk1.0-data libatspi2.0-0
libauthen-sasl-perl libavahi-client3 libavahi-common-data libavahi-common3 libcairo-gobject2 libcairo2 libcolord2
libcups2 libdata-dump-perl libdatatr1 libdrm-amdgpu1 libdrm-intel1 libdrm-nouveau2 libdrm-radeon1
libencode-locale-perl libepoxy0 libfile-basedir-perl libfile-desktopentry-perl libfile-listing-perl
libfile-mimeinfo-perl libfont-afm-perl libfontenc1 libgbm1 libgdk-pixbuf2.0-0 libgdk-pixbuf2.0-bin
libgdk-pixbuf2.0-common libgl1 libgl1-mesa-dri libglapi-mesa libglvnd0 libglx-mesa0 libglx0 libgraphite2-3
libgtk-3-0 libgtk-3-bin libgtk-3-common libharfbuzz0b libhtml-form-perl libhtml-format-perl libhtml-parser-perl
libhtml-tagset-perl libhtml-tree-perl libhttp-cookies-perl libhttp-daemon-perl libhttp-date-perl
libhttp-message-perl libhttp-negotiate-perl libice6 libio-html-perl libio-socket-ssl-perl libio-stringy-perl
libipc-system-simple-perl libisl22 liblcms2-2 libllvm12 liblwp-mediatypes-perl liblwp-protocol-https-perl
libmailtools-perl libmpc3 libnet-dbus-perl libnet-http-perl libnet-smtp-ssl-perl libnet-ssleay-perl libpango-1.0-0
libpangocairo-1.0-0 libpangoft2-1.0-0 libpciaccess0 libpixmap-1-0 librest-0.7-0 librsvg2-2 librsvg2-common
libsensors-config libsensors5 libsm6 libsoup-gnome2.4-1 libthai-data libthai0 libtie-ixhash-perl libtimedate-perl
libtiny-tiny-perl libu2f-udev liburi-perl libvulkan1 libwayland-client0 libwayland-cursor0 libwayland-egl1
libwayland-server0 libwww-perl libwww-robotrules-perl libx11-protocol-perl libx11-xcb1 libxaw7 libxcb-dri2-0
libxcb-dri3-0 libxcb-glx0 libxcb-present0 libxcb-randr0 libxcb-render0 libxcb-shape0 libxcb-shm0 libxcb-sync1
libxcb-xfixes0 libxcomposite1 libxcursor1 libxdamage1 libxfixes3 libxft2 libxi6 libxinerama1 libxkbcommon0
libxkbfile1 libxml-parser-perl libxml-twig-perl libxml-xpathengine-perl libxmu6 libxrandr2 libxrender1 libxshmfence1
libxt6 libxtst6 libxv1 libxxf86dga1 libxxf86vm1 mesa-vulkan-drivers perl-openssl-defaults ubuntu-mono x11-common
x11-utils x11-xserver-utils xdg-utils
0 upgraded, 144 newly installed, 0 to remove and 34 not upgraded.
1 not fully installed or removed.
Need to get 62.2 MB of archives.
After this operation, 633 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

Подтверждаем установку и доустанавливаем пакет со всеми зависимостями:

```
root@ubuntu-server: ~
Setting up libxaw7:amd64 (2:1.0.13-1) ...
Setting up x11-xserver-utils (7.7+8) ...
Setting up librsvg2-2:amd64 (2.48.9-1ubuntu0.20.04.1) ...
Setting up librsvg2-common:amd64 (2.48.9-1ubuntu0.20.04.1) ...
Setting up x11-utils (7.7+5) ...
Setting up adwaita-icon-theme (3.36.1-2ubuntu0.20.04.2) ...
update-alternatives: using /usr/share/icons/Adwaita/cursor.theme to provide /usr/share/icons/default/index.theme (x-cursor-theme) in auto mode
Setting up liblwp-protocol-https-perl (6.07-2ubuntu2) ...
Setting up libwww-perl (6.43-1) ...
Setting up humanity-icon-theme (0.6.15) ...
Setting up libxml-parser-perl (2.46-1) ...
Setting up ubuntu-mono (19.04-0ubuntu3) ...
Setting up libxml-twig-perl (1:3.50-2) ...
Setting up libnet-dbus-perl (1.2.0-1) ...
Processing triggers for systemd (245.4-4ubuntu3.17) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libglib2.0-0:amd64 (2.64.6-1~ubuntu20.04.4) ...
Setting up libgtk-3-0:amd64 (3.24.20-0ubuntu1.1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
Setting up libgtk-3-bin (3.24.20-0ubuntu1.1) ...
Setting up vivaldi-stable (5.7.2921.53-1) ...
update-alternatives: using /usr/bin/vivaldi-stable to provide /usr/bin/x-www-browser (x-www-browser) in auto mode
update-alternatives: using /usr/bin/vivaldi-stable to provide /usr/bin/gnome-www-browser (gnome-www-browser) in auto mode
update-alternatives: using /usr/bin/vivaldi-stable to provide /usr/bin/vivaldi (vivaldi) in auto mode
Processing triggers for libgdk-pixbuf2.0-0:amd64 (2.40.0+dfsg-3ubuntu0.4) ...
root@ubuntu-server:~#
```

Проверим, что пакет появился в списке установленных в системе:

```
root@ubuntu-server: ~
root@ubuntu-server:~#
root@ubuntu-server:~#
root@ubuntu-server:~#
root@ubuntu-server:~# dpkg -l | grep -i vivaldi
ii vivaldi-stable 5.7.2921.53-1 amd64 Experience the web in a whole new way with Vivaldi.
root@ubuntu-server:~#
```

Удалим этот пакет. При удалении возникла ошибка:

```
root@ubuntu-server: ~
xauth install
xdg-user-dirs install
xdg-utils install
xfsprogs install
xkb-data install
xxd install
xz-utils install
zerofree install
zlib1g:amd64 install
root@ubuntu-server:~#
root@ubuntu-server:~#
root@ubuntu-server:~#
root@ubuntu-server:~#
root@ubuntu-server:~# dpkg -r vivaldi-stable
(Reading database ... 89155 files and directories currently installed.)
Removing vivaldi-stable (5.7.2921.53-1) ...
Processing triggers for mime-support (3.64ubuntu1) ...
root@ubuntu-server:~#
```

Удаление пакета не произошло:

```
root@ubuntu-server: ~  
Processing triggers for mime-support (3.6ubuntu1) ...  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~# dpkg -l|grep vivaldi  
rc vivaldi-stable 5.7.2921.53-1 amd64 Experience the web in a whole n  
ew way with Vivaldi.  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#
```

Воспользуемся другой командой:

```
root@ubuntu-server: ~  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~#  
root@ubuntu-server:~# dpkg --purge vivaldi-stable  
(Reading database ... 88278 files and directories currently installed.)  
Purging configuration files for vivaldi-stable (5.7.2921.53-1) ...  
root@ubuntu-server:~#
```

Проверим, что удаление прошло успешно:

```
root@ubuntu-server: ~
root@ubuntu-server:~# dpkg --purge vivaldi-stable
(Reading database ... 88278 files and directories currently installed.)
Purging configuration files for vivaldi-stable (5.7.2921.53-1) ...
root@ubuntu-server:~# dpkg -l|grep vivaldi
root@ubuntu-server:~#
```