

Автономное профессиональное образовательное учреждение Вологодской области
«Вологодский колледж связи и информационных технологий»

Дисциплина: «Поддержка и тестирование программных модулей»

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Дата сдачи 26.12.2024

Вологда,
2024г.

```
PS C:\Users\user\OneDrive\Рабочий стол\pitpm_laba3_4kys> docker build -t my-python-app .
[+] Building 4.7s (11/11) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 617B
=> [internal] load metadata for docker.io/library/python:3.11.7-slim
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/5] FROM docker.io/library/python:3.11.7-slim@sha256:53d6284a40eae6b625f22870f5fab6c54f2a28db9027408f4dee111f1e885a2
=> [internal] load build context
=> => transferring context: 347.71kB
=> CACHED [2/5] WORKDIR /app
=> CACHED [3/5] COPY requirements.txt .
=> CACHED [4/5] RUN pip install --no-cache-dir -r requirements.txt
=> [5/5] COPY . .
=> exporting to image
=> => exporting layers
=> => writing image sha256:4e8f08d0530f89f753f0e3be7f06c4b36b194f0570d233d3968feb6f6ab73b4f
=> => naming to docker.io/library/my-python-app
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/e17dykckzpu6twat1k536o2ph
PS C:\Users\user\OneDrive\Рабочий стол\pitpm_laba3_4kys>
```

Containers

Images

Volumes

Builds

Docker Hub

Docker Scout

Extensions

docker.desktop PERSONAL

Q Search

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Builds [Give feedback](#)

Build container images and artifacts from source code. [Learn more](#)

Selected builder

desktop-linux

Import builds

Builder settings

Build history

Active builds

Q Search

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☰

🔍 Show only my builds

<input type="checkbox"/>	Name	ID	Builder	Duration	Created	Author
<input checked="" type="checkbox"/>	pitpm_laba3_4kys	e17dyk	🍏 desktop-linux	4.4s	1 minute ago	N/A

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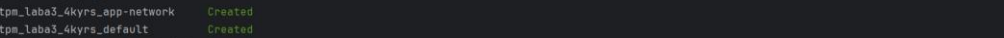
Engine running

RAM 1.44 GB CPU 0.00% Disk: 3.19 GB used (limit 1006.85 GB)

Terminal v4.37.1

```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/e17dykckzpu6twat1k536o2ph
PS C:\Users\user\OneDrive\Рабочий стол\pitpm_laba3_4kys> docker run -d -p 8000:8000 my-python-app
d2435a3e7eb6fef9b344e8d48800e9e7daeabc409cd63d0ba8188c29f7bb761
PS C:\Users\user\OneDrive\Рабочий стол\pitpm_laba3_4kys>
```


The image is a screenshot of a Windows 11 desktop environment. The primary focus is a Windows Terminal window with a dark theme. The terminal's title bar shows the file 'main.py' and the active profile 'main'. The terminal is divided into two panes: the top pane shows the command 'docker compose up -d' being executed, and the bottom pane shows the output. The output indicates that the Docker Compose version attribute in the 'docker-compose.yml' file is obsolete and will be ignored. It then lists the creation of several services and networks, including 'pitpm_laba3_4kysr_app-network', 'pitpm_laba3_4kysr_default', and 'pitpm_laba3_4kysr_phpmyadmin-1'. The status of each service is shown as 'Created' or 'Started'. The bottom status bar of the terminal shows the current directory as 'pitpm_laba3_4kysr' and the active file as 'docker-compose.yml'. The system clock in the bottom right corner of the terminal shows '17:17' on '26.12.2024'. In the background, the Windows taskbar is visible, showing various application icons including the Start menu, Search, File Explorer, Edge, and several instances of the application being developed. The system clock in the bottom right corner of the desktop shows '23:10:07' on '26.12.2024'.



```
[*] Running 5/sm_laba3_4kyrs_default Created 0.1s
✓ Network pitpm_laba3_4kyrs_app-network Created 0.1s
✓ Network pitpm_laba3_4kyrs_default Created 0.1s
✓ Container pitpm_laba3_4kyrs-phpmyadmin-1 Started 1.0s
✓ Container pitpm_laba3_4kyrs-db-1 Started 0.9s
✓ Container pitpm_laba3_4kyrs-fastapi-1 Started 1.0s
PS C:\Users\user\OneDrive\Рабочий стол\pitpm_laba3_4kyrs>
```

pitpm_laba3_4kyrs > docker-compose.yml 17:17 LF UTF-8 2 spaces Schema: compose-spec.json Python 3.11

The screenshot shows the Docker Desktop application window. The top bar is dark blue with the Docker logo and 'docker.desktop PERSONAL' on the left, and a search bar, system icons, and a user profile icon on the right. The left sidebar contains a list of navigation items: Containers, Images, Volumes (highlighted), Builds, Docker Hub, Docker Scout, and Extensions. The main content area is titled 'Volumes' with a 'Give feedback' link. Below the title is a subtitle 'Manage your volumes, view usage, and inspect their contents.' and a 'Learn more' link. A search bar and two icons (hamburger menu and list view) are present. A 'Create' button is in the top right. A table lists volumes with columns: Name, Created, Size, and Actions. One volume is listed: '1d491f5337d952dbcd98d2a2b38d63e94ea384074e50d5796c2ba581d0cf9eb', created '2 minutes ago' and '137.3 MB' in size. Below the table, it says 'Showing 1 item'. A 'Walkthroughs' section is at the bottom, showing two cards: 'Multi-container applications' (8 mins) and 'Persist your data between containers' (3 mins). At the very bottom, a status bar shows 'Engine running', system resources (RAM 1.35 GB, CPU 0.75%, Disk 4.29 GB used), and a 'Terminal' button. The Windows taskbar is visible at the bottom of the screen.

