| environment variables (lesson 18) |
|--|
| * what are environment variables? |
| B each user has its own environment |
| 0. each user can configure it so own |
| envisonment by setting preferences |
| 3 These os configurations should be |
| isolated from other user environments. |
| |
| big Bash vim Chrome |
| font shee editor Browser big Bash vim Chrome smau sh Nano Firefon |
| Where does as store au these |
| configurations? |
| → environment vaniables. |
| → preces of info defined by key value pair. |
| |
| upper comable variable |
| uppercase SHEIL = /bin/bash variable variable name value available for the whole environment. |
| USER = yash |
| HOME = /home/yash. |
| - user can change environment values |
| * list all environment variables. |
| pninteny |
| * print specific env variable. |
| pnintenv USER |
| echo \$USER |
| * application env variable |
| - 0s Stores the unso about the |
| en n' zonment. |
| - we can create own environment |
| vanables |
| Use case: Sensitive data for |
| application. |

applyin some authentication on linun is needed connection Connection USY : server. password: Google. How to tell the app the secret token to connect to the april We can't write the value in the code X not secure X Set this data as env var on server DB_PWD = secret password DB_USER = mysqluser - app can read those env var. every programming language allows you to access environment variables python enample import mysql. connector DB_USER = os. getenv ('DB_USER') DB_ PWD = os. getenv ('DB_ PWD) mydb = mysql. connector. connect(host = " user = DB_USER, password = DB_PWD uit makes application more I levible! can run in diff server without changing code prod server. Testing

Testing DB PROD Dev DB each database has its own credentials. - no need to change application code * creating env variables enport DB_USERNAME = dbuser enport DB_PASSWORD = secretpudvalue enport DB_NAME = mydb printenv | grep DB echo \$DB_NAME * Deleting env variable. unset DB_NAME * Persisting env variable when we close the terminal and open it again and search printer I grap DB it is gone (user, pswd) enport -> not permanent
goes away when session cdoses to store permanently vim bashrc press i (insert) at last write enport DB_USERNAME = dbuser export DB_PASSWORD = secret vd enport DB_NAME = mydb source bashre current current shew session persisting env ranable system wide ·bashac - user specific

vim / etc/environment add a custom command/program.

bashre PATH = \$PATH: /home/yash Sile