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<?php
/* This is multiline comment, just like in a C program
   Comments are ignored by compiler or interpreter
   And may help programmers understand the code better

   Linux, shortcut keys to open terminal
       Press all keyboard keys together, ctrl alt t

   (Unlike taskbar in Windows,
       visible as horizontal bar at the bottom)
   Docker, Launcher, on Ubuntu, available on left side
       as vertical column

   User opened applications like terminal, gedit, firefox
       will be visible on Dock, Launcher
*/
?>

<?php
/* By default, gedit saves files in directory /home/username

   When writing a program, first job save code
       with file name followed by . and file extension
   For PHP programs, save code with file extension of .php
   Where: /var/www/html/
       First "/" is also called as "root" folder
       Code would be saved in: /var/www/html/code.php
*/
?>

<?php
/* How:
   If writing code in gedit, "save as" option under ≡
       ≡ → save as → bottom left has "other location"
       Other location → Computer (or /) → var → www → html
   Or
   Files (File browser)
       Right click on code.php
       use cut, click on Cut
       and
       paste, right click and Paste into
       after file browsing to folder /var/www/html
   Or
   If comfortable with terminal and commands
       use mv, move command, $mv source destination
       $mv code.php /var/www/html/
       or use cp, copy command, $cp source destination
       $cp code.php /var/www/html/

   If code.php does not have errors, and Apache httpd
       daemon is running, and php is installed
       code.php can be accessed through Mozilla Firefox
       Firefox(Web browser)
       in "address bar", type URL
       http://localhost/code.php
       or
       http://127.0.0.1/code.php
       and enter ↵ or click →
*/
?>

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<?php
/*
    If code.php has errors, check error description on terminal
    $php code.php
        read, understand, and correct error and retry

    make sure code.php is saved in current/working directory
    and
    current/working directory is /var/www/html/

    To check current/working directory, on terminal
    $pwd

    To check files in current directory, on terminal
    $ls
    ls, list directory contents, code.php should be listed

    To change directory,
    Using Files (File browser)
        Browse to /var/www/html
        Right click in displayed folder area
        other than on file/folder

        Open in terminal
    or
    Using terminal, and command,
        cd, Change the shell working directory
        $cd /var/www/html
*/
?>

<?php
/*
    Suggestions, common errors

    Consider you are writing C, or JavaScript
    End statements, expressions with semicolon ;

    Important changes in PHP:
    Variable name begin with dollar symbol $
    and are dynamically typed, type decided on context

    Indentation
    Though not a part of syntax like Python
    But please use indentation, like you would in py

    Can be by use of tab key of keyboard
    or
    Four spaces, by use of spacebar key of keyboard

    Not a part of syntax, but
    please do not code entire program beginning on
    same column
    entire code should not begin on same column
*/
?>

```

```
<?php
/* Same programs need not be followed
   If you feel programs are lengthy and complicated
   and can write better, please do
   as long as programs satisfy problem definitions

   PHP Programming, problem definitions, please refer syllabus
   https://vtu.ac.in/pdf/2022\_3to8/2aimlsyll.pdf
*/
?>

<?php
/* Problem definition, followed by program
*/
?>
```