

1. Assignment on Spaces

- We left a space between α and a in the tutorial. Now leave different lengths of space using:
 - 1.1 `\enskip`
 - 1.2 `\quad`
 - 1.3 `\qquad`
- How do these spaces compare with one we created in the tutorial?
- Between α and a , now leave a smaller space with the command `\,` (i.e., slash comma)

2. Assignment on Fractions using braces

- We want you to create $\frac{ab}{cd}$. What happens if you give this command `\frac ab cd` without braces? Explain.
- What does the following command result in: `\frac{ab+1}{cd-1}`
- Create this fraction: $\frac{a}{b+\frac{1}{c}}$
- If you use `\dfrac` in the place of `\frac`, what happens? For `\dfrac` to work, you need to use the package `amsmath`

3. Assignment on Subscripts and Superscripts

- We want you to create x_{ab} . Will the following command work? `x_ab`. Explain.
- Reproduce this command: `\int_{-\infty}^{\pi/2} x dx`
 1. What do the commands `\int` and `\pi` do?
 2. Does it make sense to use `\frac` in the above?

4. Assignment on Matrices

- We have used the following commands to build matrices: `\matrix`, `\bmatrix`
- Try instead the following matrix commands: `\pmatrix`, `\vmatrix`, `\Vmatrix`
- Remember to use the package `amsmath`

5. Assignment on Various symbols

- Try the symbols on page 12 and 13 of the file `chap11-prn.pdf` that has been given in the Code files.

6. Assignment on Package `amssymb`

- Use the package `amssymb`
- Try the commands on pages 14 to 16 of the file `chap11-prn.pdf` that has been given in the Code files.

7. Assignment on More of TUG India Document

- Reproduce as many commands as possible from `chap11-prn.pdf`
- This file has been provided in the Code files.
- You may copy-paste, directly, from pdf.
- If a command does not work, see if a package has to be used.

8. Assignment on Paragraph Indent

- We used a command that removes paragraph indents
- Delete this command and repeat this tutorial
- What does this command do?
- Try this command in other LaTeX spoken tutorials also