

## Introduction to Unix: a basic guide to use the shell - exercises

1) Create a directory "tar\_test" on your workstation or on Hippu. Copy to "tar\_test" the script "hello.sh" you've created yesterday, or create a new file called "hello.sh" with the following syntax:

```
#!/bin/bash  
echo "Hello world!"
```

2) Archive a folder "tar\_test" with tar in three ways:

a) create a .tar file, i.e., without compressing the content (hint: use tar command with cvf operations/options)

b) create a tar.gz or .tgz file, i.e., compressing the content with gzip (hint: add z option)

c) create a .tar.bz2 compressing the content with gzip (hint: add j option)

Use man, i.e., "man tar" if unsure what a given option means.

3) Compare the sizes of the three archive files, which one has the smallest size?

### Extra tasks:

4) Copy all the three archive files to Taito using scp or rsync.

5) Connect to Taito using ssh command. Uncompress all the three files. Edit the "hello.sh" script in "tar\_test" directory by adding "hostname" at the end and run the "hello.sh" script.