Opgave 1

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1 WGet - Download af opgaven

```
[chris@localhost ~]$ wget http://people.binf.ku.dk/nrapin/lpp2014/handin_1.txt
--2014-09-08 20:34:35--  http://people.binf.ku.dk/nrapin/lpp2014/handin_1.txt
Løser people.binf.ku.dk (people.binf.ku.dk)... 130.225.125.162
Tilslutter people.binf.ku.dk (people.binf.ku.dk)|130.225.125.162|:80... forbundet.
HTTP forespørgsel sendt, afventer svar... 200 OK
Længde: 1446 (1,4K) [text/plain]
Gemmer til: 'handin_1.txt'

100%[===================================>] 1.446        --.-K/s    om 0s

2014-09-08 20:34:35 (121 MB/s) - 'handin_1.txt' gemt [1446/1446]
```

2 Brug cat til at skrive indhold til terminalen.

```
[chris@localhost ~]$ cat handin_1.txt
Well done!
now that you have the actual exercise, you can solve all the questions bellow.'

Lets start by opening a terminal window.

...•

 Remove the ko_neg_vs_wt_neg.Gsea.1361809852162 directory, the test1 and test2 directories.
```

3 WGet - download af arkiv

```
[chris@localhost ~]$ wget people.binf.ku.dk/nrapin/data.tgz
--2014-09-08 20:41:36--  http://people.binf.ku.dk/nrapin/data.tgz
Løser people.binf.ku.dk (people.binf.ku.dk)... 130.225.125.162
Tilslutter people.binf.ku.dk (people.binf.ku.dk)|130.225.125.162|:80... forbundet.
HTTP forespørgsel sendt, afventer svar... 200 OK
Længde: 15355654 (15M) [application/x-gzip]
Gemmer til: 'data.tgz'

100%[===================================>] 15.355.654   4,07MB/s    om 3,6s

2014-09-08 20:41:40 (4,02 MB/s) - 'data.tgz' gemt [15355654/15355654]
```

4 Udpak arkiv vha. tar

```
[chris@localhost ~]$ tar xvf data.tgz
ko_neg_vs_wt_neg.Gsea.1361809852162/
ko_neg_vs_wt_neg.Gsea.1361809852162/edb/
ko_neg_vs_wt_neg.Gsea.1361809852162/enplot_AGED_HSCS_DOWN_451.png
ko_neg_vs_wt_neg.Gsea.1361809852162/enplot_AGED_HSCS_UP_874.png
ko_neg_vs_wt_neg.Gsea.1361809852162/enplot_DORSAM_HOXA9_TARGETS_DN_961.png
ko_neg_vs_wt_neg.Gsea.1361809852162/enplot_DORSAM_HOXA9_TARGETS_UP_892.png
...
ko_neg_vs_wt_neg.Gsea.1361809852162/xtools.css
ko_neg_vs_wt_neg.Gsea.1361809852162/edb/data_gsea.txt.cls
ko_neg_vs_wt_neg.Gsea.1361809852162/edb/gene_sets.gmt
ko_neg_vs_wt_neg.Gsea.1361809852162/edb/modified_gsea_data.data_gsea.txt.cls_KO-G-neg_versus_WT-G-neg.rnk
ko_neg_vs_wt_neg.Gsea.1361809852162/edb/results.edb
```

5 Brug cd til at skifte mappe

```
[chris@localhost ~]$ cd ko_neg_vs_wt_neg.Gsea.1361809852162/
```

6 Brug ls til at vise visse filer

```
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ ls ./[WT]*
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP_497.png
./WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_DN_701.png
./WANG_RESPONSE_TO_GSK3_INHIBITOR_SB216763_UP_485.png
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP.html
./WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_DN.html
./WANG_RESPONSE_TO_GSK3_INHIBITOR_SB216763_UP.html
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP_443.png
./WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP_386.png
/WANG_TARGETS_OF_MLL_CBP_FUSION_DN_890.png
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP.html
./WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP.html
./WANG_TARGETS_OF_MLL_CBP_FUSION_DN.html
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP_668.png
./WANG_MLL_TARGETS_842.png
./WANG_TARGETS_OF_MLL_CBP_FUSION_UP_524.png
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP.html
./WANG_MLL_TARGETS.html
./WANG_TARGETS_OF_MLL_CBP_FUSION_UP.html
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_8D_UP_590.png
./WANG_RESPONSE_TO_GSK3_INHIBITOR_SB216763_DN_734.png
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_8D_UP.html
./WANG_RESPONSE_TO_GSK3_INHIBITOR_SB216763_DN.html
```

7 Udvid forrige ls kommando til kun at vise htlm filer

```
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ ls ./[WT]*.html
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP.html
./WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_DN.html
./WANG_RESPONSE_TO_GSK3_INHIBITOR_SB216763_UP.html
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP.html
./WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP.html
./WANG_TARGETS_OF_MLL_CBP_FUSION_DN.html
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP.html
./WANG_MLL_TARGETS.html
./WANG_TARGETS_OF_MLL_CBP_FUSION_UP.html
./TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_8D_UP.html
./WANG_RESPONSE_TO_GSK3_INHIBITOR_SB216763_DN.html
```

8 Åben html i firefox

```
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ firefox WANG_MLL_TARGETS.html &
[1] 2850
```

9 Opret mapperne test1 og test2

```
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ mkdir test1
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ mkdir test1/test2
```

10 Flyt indhold til test1. Fejlmeddelsen er ligegyldig

```
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ mv * test1
mv: kan ikke flytte 'test1' til et underkatalog af sig selv, 'test1/test1'
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ ls
test1
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ ls test1/
edb
enplot_XHSC_HSC_ADULT_955.png
gset_rnd_es_dist_894.png
enplot_AGED_HSCS_DOWN_451.png
enplot_XHSC_HSC_FETAL_928.png
gset_rnd_es_dist_897.png
...
```

11 Flyt den nyeste fil ind i test2

```
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ mv `ls -t test1/* | head -1` test1/test2/
```

12 Skift til test2 mappen

```
[chris@localhost ko_neg_vs_wt_neg.Gsea.1361809852162]$ cd test1/test2/
```

13 Find alle filer der slutter på .png i test1 mappen

```
[chris@localhost test2]$ find ../ -name '*.png'
../enplot_AGED_HSCS_UP_874.png
../enplot_DORSAM_HOXA9_TARGETS_DN_961.png
../enplot_DORSAM_HOXA9_TARGETS_UP_892.png
../enplot_EWA_KO_MLL_ENL_DN_664.png
../enplot_EWA_KO_MLL_ENL_UP_367.png
../enplot_EWA_WT_MLL_ENL_DN_388.png
../enplot_EWA_WT_MLL_ENL_UP_374.png
../enplot_FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_DN_895.png
...
../XHSC_LTHSC_SHARED_935.png
../XHSC_STHSC_ADULT_284.png
../XHSC_STHSC_FETAL_332.png
../XHSC_STHSC_SHARED_329.png
../XPARK_HSC_VS_MPP_DN_851.png
../XPARK_HSC_VS_MPP_UP_296.png
../enplot_AGED_HSCS_DOWN_451.png
```

14 Skift til home mappen

```
[chris@localhost test2]$ cd ~
```

15 Find alle filer der slutter på .png i home mappen

```
[chris@localhost ~]$ find . -print -name '*.png'
{Mange filer}
```

16 Fjern mapperne ko_neg_vs_wt_neg.Gsea.1361809852162, test1, test2

```
[chris@localhost ~]$ rm -r ko_neg_vs_wt_neg.Gsea.1361809852162
```