

Jak uruchomić skrypt

1. Skrypt działa w bashowym terminalu
2. Należy upewnić się, że ma się zainstalowanego `curl`
3. W folderze, w którym znajduje się plik ze skryptem `downloadPicsFrom.sh` należy w terminalu wpisać komendę: `$ chmod 755 downloadPicsFrom.sh`, która nadaje odpowiednie uprawnienia do zapisu, odczytu i wykonania

```
#!/bin/bash
#Franciszek Mirecki

url=$1 #set first argument as our URL
curl $url -o ./website -s #download website source using curl
                                #-o flag denotes the filename (in this case
                                #temporary file named ".website") of the downloaded URL
                                #-s flag puts curl in silent mode
if [ $? -ne 0 ] #if curl's exit status does not equal to 0 (success)
then
    echo "ERROR! Invalid argument."
    exit 1 # terminate the script
elif [[ -f ".website" ]] #if file .website exists
then
    regexGetImg="img.+src=\"[^\"]+\".+.(png|jpg|gif)" #gets img src elements
from website source
    regexRemoveAttrName="[^\"]+.(png|jpg|gif)" #removes img src tags, and
leaves clean file link
    regexGetFileName="[^\/]+.(png|jpg|gif)$" #gets name of downloaded
file
    regexGetURLBase="^https:\\/\\/[^\\/]+" #gets base URL of provided website

    imgUrls=$(grep -oE $regexGetImg ./website | grep -oE
$regexRemoveAttrName) #uses regexGetImg and regexRemoveAttrName for
extracting clean files links

    for img in $imgUrls #iterate through every link in imgUrls
    do
        fileName="`echo $img | grep -oE $regexGetFileName`" #uses
regexGetFileName for getting name of file to download
        if [[ "$img" =~ ^\\/.+ ]] #if file link is absolute but starts with
only "/" without "https:"
        then
            curl "https:$img" -o ./fileName -s #download file from given link
with added "https:"
        elif [[ "$img" =~ ^https.+ ]] #else if file link is absolute and full
        then
            curl $img -o ./fileName -s #download file
        elif [[ "$img" =~ ^\\/[^\/].+ ]] #else if file link is relative
        then
            baseURL="`echo $url | grep -oE $regexGetURLBase`" #get website URL
base
            curl "$baseURL$img" -o ./fileName -s #download file by merging
```

```
website URL base and relative file link, which makes file link absolute
fi
done

rm ./website #remove the temporary file
exit 0 # exit with status 0 (success)
fi
```