

Q1

A.  
ubuntu@ip-172-31-23-209:~\$ curl -s <https://www.staff.hs-mittweida.de/~wuenschi/data/media/compbiolbook/chapter-10-shell-programming--triplet-stop>

#### OUTPUT

```
#!/bin/bash
# save as triplet-stop.sh
# splits a sequence into triplets
x=0
while [ -n "${1:$x:3}" ]; do
    seq=$seq${1:$x:3}" "
    x=$((x + 3))
    if [ "${1:$x:3}" == taa ] || [ "${1:$x:3}" == tga ]; then
        break
    fi
done
echo "$seq"
```

Explanation-First I logged into my AWS account using the command `ssh -i 45562563.pem ubuntu@ec2-52-62-125-74.ap-southeast-2.compute.amazonaws.com` and then after finding the URL for the script online I used the Curl command to download the script in AWS account.

Q2

A.  
\$ scp -i 45562563.pem tutes.txt ubuntu@ec2-52-62-125-74.ap-southeast-2.compute.amazonaws.com:tutes.txt  
100% 15KB 18.5KB/s 00:00

Q3

A.  
\$ grep '[0-9A-Za-z] \*' Q3.txt

#### OUTPUT

```
This is ACST 890 assignment.
hydrogenase seems like hydrogen
dehydrogenase is different
```

B.

\$ grep '\-[0-9]' Q3.txt

#### OUTPUT

```
the sum is -32
```

C.

\$ grep '[0-9]\.[0-9]' Q3.txt

#### OUTPUT

```
decimal number 1.32
```

D.

\$ grep 'hydrogenase' Q3.txt | sed -r '/dehydrogenase/d'

#### OUTPUT

```
hydrogenase seems like hydrogen
```

