Question 1: older.sh:

```
#!/bin/bash

find . -type f -printf '%T+ %p\n' | sort | head -n 1
```

```
My PC :
My PC : ./older.sh
2021-03-08+18:00:00.0000000000 ./foo
My PC :
My PC :
```

Question 2: funny.sh

```
#!/bin/bash

if [ "$#" -gt 0 ]; then

   echo "This is funny"

else

        echo "This is NOT funny"

fi
```

```
My PC :
My PC : ./funny.sh
This is NOT funny
My PC :
My PC :
My PC :
My PC : ./funny.sh typing
This is funny
My PC :
My PC :
My PC :
My PC :
```

Question 3:

a) **Download file using Curl:**

curl https://www.staff.hs-mittweida.de/~wuenschi/data/media/compbiolbook/chapter-10-shell-programming--case-cp.sh --output case-cp.sh

```
My PC : curl https://www.staff.hs-mittweida.de/~wuenschi/data/media/compbiolbook/chapter-10-shell-programming--case-cp.sh  --output case-cp.sh
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   321  100   321    0     0    176      0  0:00:01  0:00:01 --:--:--   176
My PC :
My PC :
My PC : ;s
bash: syntax error near unexpected token `;'
My PC : ls
case-cp.sh  funny.sh
My PC :
My PC : cat case-cp.sh
#!/bin/bash
# save as case-cp.sh
# asks if files shall be backuped
# accepts file extension as $1
for i in $(ls  *$1); do
  echo "Backup $i?  yES/nO/qUIT"
  read answer
  case $answer in
    y*) echo "Backup $i"; cp $i $i.bak;;
    n*) echo "Skip $i";;
    q*) echo "Quited"; exit;;
     *) echo "Skip $i";;
  esac
done

My PC :
```

b) Chime based on minutes:

```
#!/bin/bash

printf -v minute "%(%M)T"
 if [ "$minute" -ge 20 ] & [ "$minute" -lt 40 ]; then
   echo -ne '\007'
 elif [ "$minute" -ge 40 ] & [ "$minute" -lt 60 ]; then
   echo -ne '\007'
          sleep 1
          echo -ne '\007'
 else
   echo "no chime"
 fi
```

```
My PC :
My PC : ./chime_q3_b.sh
My PC :
My PC :
My PC : ./chime_q3_b.sh
My PC :
My PC :
My PC : ./chime_q3_b.sh
My PC :
```