

### Question 1

```
#!/bin/bash

c=0
for i in *
do
    if [ -d $i ]; then c=$((c+1)); fi
done
echo $c
```

### Question 2

```
#!/bin/bash

fib=1
read a b c d
m1=$((b+c))
m2=$((a+b))

if [ $m1 -ne $d ]; then fib=0; fi
if [ $m2 -ne $c ]; then fib=0; fi

if [ $fib -eq 1 ]; then echo YES; else echo NO; fi
```

### Question 3

```
#!/bin/bash

IFS=$'\t'
read Sname
#get the student ID from C.txt and print the corresponding name + number

while read name ID resat; do
    if [ $name == $Sname ]; then R=$ID; fi
done <A.txt
echo ID is $R
while read SID dept num; do
    if [ $SID == $R ]; then
        echo $dept $num
    fi
done <C.txt
```