

Task A - Create a new directory

```
(ltupaz@kali)-[~/script]
└─$ ./create_dir.sh
Enter the directory
/home
/home exists. Do not create!

(ltupaz@kali)-[~/script]
└─$ ./create_dir.sh
Enter the directory
/etc/passwd
/etc/passwd is a regular file. Do not create!

(ltupaz@kali)-[~/script]
└─$ ./create_dir.sh
Enter the directory
test
Directory doesn't exist, creating test now...

(ltupaz@kali)-[~/script]
└─$ ls
create_dir.sh  lab8.sh  test

(ltupaz@kali)-[~/script]
└─$ ./create_dir.sh
Enter the directory
/etc/shadow
/etc/shadow is a regular file. Do not create!

(ltupaz@kali)-[~/script]
└─$ █
```

Code:

```
#!/bin/bash
# ~/script/create_dir.sh

echo Enter the directory
read dir

if [[ -d $dir ]]; then
    echo "$dir exists. Do not create!"
elif [[ -f $dir ]]; then
    echo "$dir is a regular file. Do not create!"
else
    echo "Directory doesn't exist, creating $dir now..."
    mkdir $dir
fi
```

Task B - Check files

```
(ltupaz@kali)-[~/script]
└─$ ./check_files.sh
Type your MIDAS:
ltupa001
Enter the name of the directory you want to check:
/home
Below are the contents files in the directory with name, /home:
kali ltupaz

(ltupaz@kali)-[~/script]
└─$ ./check_files.sh
Type your MIDAS:
ltupa001
Enter the name of the directory you want to check:
doc
Sorry ltupa001, the entered directory desktop is not a valid directory name.

(ltupaz@kali)-[~/script]
└─$ ./check_files.sh
Type your MIDAS:
/
Enter the name of the directory you want to check:
^C

(ltupaz@kali)-[~/script]
└─$ ./check_files.sh
Type your MIDAS:
ltupa001
Enter the name of the directory you want to check:
/
Below are the contents files in the directory with name, /:
0 boot etc initrd.img lib lib64 lost+found mnt proc run srv sys usr vmlinuz
bin dev home initrd.img.old lib32 libx32 media opt root sbin swapfile tmp var vmlinuz.old

(ltupaz@kali)-[~/script]
└─$
```

```
#!/bin/bash
# ~/script/check_files.sh

echo Type your MIDAS:
read midas

echo Enter the name of the directory you want to check:
read dir
if [[ -d $dir ]];
then
    echo Below are the contents files in the directory with name, $dir:
    ls $dir
else
    echo Sorry $midas, the entered directory desktop is not a valid directory name.
fi
```

Extra Credit:

```
(ltupaz@kali)-[~/script]
└─$ vi read_midas.sh

(ltupaz@kali)-[~/script]
└─$ ./read_midas.sh
Enter your MIDAS ID:
Ltupa001
You must enter a valid MIDAS ID: lowercase alphanumeric and 4-8 characters! Try again
ltu
You must enter a valid MIDAS ID: lowercase alphanumeric and 4-8 characters! Try again
001
You must enter a valid MIDAS ID: lowercase alphanumeric and 4-8 characters! Try again
123456789
You must enter a valid MIDAS ID: lowercase alphanumeric and 4-8 characters! Try again
somethingreallylong001
You must enter a valid MIDAS ID: lowercase alphanumeric and 4-8 characters! Try again
ltupa001
Thank you! Your MIDAS ID is: ltupa001

(ltupaz@kali)-[~/script]
└─$
```

```
#!/bin/bash
# ~/script/read_midas.sh

echo Enter your MIDAS ID:

while read midas
do
    if [[ "$midas" =~ ^([a-z0-9]{4,8})$ ]]; then
        echo Thank you! Your MIDAS ID is: $midas
        exit
    else
        echo You must enter a valid MIDAS ID: lowercase alphanumeric and 4-8 characters! Try
again
    fi
done
```