# OPERATING SYSTEM 1

Lecture 7

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# LINUX SHELL SCRIPT

## Read values in bash script

#### **Program**

#!/bin/bash read x

echo "print \$x"

#### Output

./example.bash

5

print 5

## Function in shell script

#### **Program**

#### Output

```
./example.bash
8
-2
8-2
```

# **EXERCISES**

• Using loop statements Write a program that print:

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#### **Program**

```
#!/bin/bash
for ((i=1;i<6;i++)); do
for ((j=0;j<$i;j++)); do
echo -n '*'
              done
               echo
 done
 for ((i=4;i>0;i--)); do
              for ((j=0;j<$i;j++)); do
echo -n '*'
              done
               echo
 done
```

- Write a program that get two numbers (x and y) and print the result of:
  - x ^ y

### **Program**

```
#!/bin/bash
X=$1
y=$2
Z=1
for (( i = o; i < $y; i++ )); do
        z=$(expr $x \* $z)
done
echo $z
```

### **Program**

• Write a program that get one number and print if it's a prime number or not.