

Write a Shell Script which prints I will complete #90DaysOofDevOps challenge

```
>> vim first.sh
    #!/bin/bash

    touch newfile
    echo "I will complete #90DaysOofDevOps challenge" > newfile
    cat newfile

>> bash first.sh
I will complete #90DaysOofDevOps challenge
```

Write a Shell Script to take user input, input from arguments and print the variables.

```
>> vim second.sh
    #!/bin/bash

    # Taking user input
    echo "Please enter a value:"
    read user_input

    # Taking input from command line arguments
    arg1=$1
    arg2=$2

    # Printing variables
    echo "User input: $user_input"
    echo "Argument 1: $arg1"
    echo "Argument 2: $arg2"

>> ./second.sh shell script
Please enter a value:
hello
User input: hello
Argument 1: shell
Argument 2: script
```

Write an Example of If else in Shell Scripting by comparing 2 numbers

```
>> vim third.sh
    #!/bin/bash

    # Define two numbers
    number1=10
```

```
number2=20
```

```
# Compare the numbers
if [ $number1 -gt $number2 ]; then
    echo "$number1 is greater than $number2"
elif [ $number1 -lt $number2 ]; then
    echo "$number1 is less than $number2"
else
    echo "Both numbers are equal"
fi
```

```
>>./third.sh
10 is less than 20
```

Tasks

You have to do the same using Shell Script i.e using either Loops or command with start day and end day variables using arguments -

So Write a bash script create directories.sh that when the script is executed with three given arguments (one is the directory name and second is start number of directories and third is the end number of directories) it creates a specified number of directories with a dynamic directory name.

Example 1: When the script is executed as

```
./createDirectories.sh day 1 90
```

then it creates 90 directories as day1 day2 day3 day90

```
#!/bin/bash
```

```
# Check if the number of arguments is correct
if [ $# -ne 3 ]; then
    echo "Usage: $0 <prefix> <start> <end>"
    exit 1
fi
```

```
prefix=$1
start=$2
end=$3
```

```
# Create directories
for ((i=start; i<=end; i++)); do
    mkdir "$prefix$i"
done
```

```
echo "Directories created successfully."
```

```

root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4# vim createDir.sh
root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4# chmod 777 createDir.sh
root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4# ./createDir.sh day 1 90
Directories created successfully.
root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4# ls
createDir.sh day13 day18 day22 day27 day31 day36 day40 day45 day5 day54 day59 day63 day68 day72 day77 day81 day86 day90 first.sh
day1 day14 day19 day23 day28 day32 day37 day41 day46 day50 day55 day6 day64 day69 day73 day78 day82 day87 file1 newfile
day10 day15 day2 day24 day29 day33 day38 day42 day47 day51 day56 day60 day65 day7 day74 day79 day83 day88 file2 second.sh
day11 day16 day20 day25 day3 day34 day39 day43 day48 day52 day57 day61 day66 day70 day75 day8 day84 day89 file3 third.sh
day12 day17 day21 day26 day30 day35 day4 day44 day49 day53 day58 day62 day67 day71 day76 day80 day85 day9 file4
root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4#

```

Example 2: When the script is executed as
 ./createDirectories.sh Movie 20 50 then it creates 50 directories as Movie20 Movie21 Movie23
 ...Movie50

```

root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4# ./createDir.sh movie 20 50
Directories created successfully.
root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4# ls
createDir.sh day16 day23 day30 day38 day45 day52 day6 day67 day74 day81 day89 movie20 movie28 movie36 movie44 second.sh
day1 day17 day24 day31 day39 day46 day53 day60 day68 day75 day82 day9 movie21 movie29 movie37 movie45 third.sh
day10 day18 day25 day32 day4 day47 day54 day61 day69 day76 day83 day90 movie22 movie30 movie38 movie46
day11 day19 day26 day33 day40 day48 day55 day62 day7 day77 day84 file1 movie23 movie31 movie39 movie47
day12 day2 day27 day34 day41 day49 day56 day63 day70 day78 day85 file2 movie24 movie32 movie40 movie48
day13 day20 day28 day35 day42 day5 day57 day64 day71 day79 day86 file3 movie25 movie33 movie41 movie49
day14 day21 day29 day36 day43 day50 day58 day65 day72 day8 day87 file4 movie26 movie34 movie42 movie50
day15 day22 day3 day37 day44 day51 day59 day66 day73 day80 day88 first.sh movie27 movie35 movie43 newfile
root@ip-172-31-38-50:/home/ubuntu/LinuxForDevops/day4#

```