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D1 - 19BCE245

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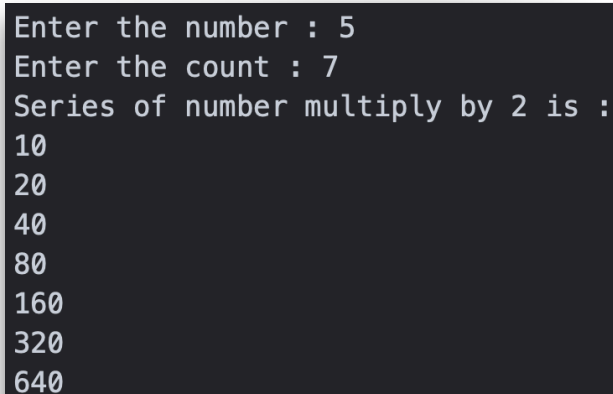
Practical 6

a)   Write a shell script to generate the series of number multiply by 2.

CODE :

```
1. echo -n "Enter the number : "
2. read number
3. echo -n "Enter the count : "
4. read count
5.
6. echo "Series of number multiply by 2 is :"
7. counter=1
8. while [ "$counter" -le "$count" ]; do
9.    counter=$((counter+1))
10.   number=$((number * 2))
11.   echo $number
12.done
```

OUTPUT :

```
Enter the number : 5
Enter the count : 7
Series of number multiply by 2 is :
10
20
40
80
160
320
640
```
Run Succeeded   Time 12 ms   Peak Memory 1.1M   Symbol ⬍   Tabs: 4 ⬍   Line 16, Column 1

b) Write a shell script to concatenate all given file into a single file.

CODE :

```
1. echo -n "Enter the number of files to be concatenate : "
2. read number
3. count=1
4. rm -f all.txt #delete the file if it exists.
5. while [ $count -le $number ]; do
6.    read file_name
7.    cat $file_name >> all.txt <(echo)        #here <(echo)
      will insert new line after cat appends each file.
8.    count=$((count+1))
9. done
10.echo "All files are concatenated in 'all.txt' file."
```

OUTPUT :

```
Enter the number of files to be concatenate : 3
demo1.txt
demo2.txt
demo3.txt
All files are concatenated in 'all.txt' file.
```

Run Succeeded   Time 35 ms   Peak Memory 1.2M   Symbol ⌄   Tabs: 4 ⌄   Line 13, Column 53

.txt files which are given to input :

demo2.txt
```
Hi!
I am a student.
```

demo1.txt
```
Hello,
1234....
I am Aayush Shah.
```

demo3.txt
```
Good morning !
```

.txt file which is generated as output :

```
● ● ●  📄 all.txt
Hello,
1234....
I am Aayush Shah.
Hi!
I am a student.
Good morning !
```