

- 1.sh:


```
echo "hello world"
# Writes "hello world" on standart output
rm ./deleteme.txt
# Remove file "deleteme.txt"
mkdir ./new_dir
# Create new directory "new_dir"
date >> ./new_dir/date.txt
# Write date to file "new_ditt/date.txt"
```
- 2.sh:


```
a=$(cat "./a")
# Read variable from file "a"
b=$(cat "./b")
# Read variable from file "b"
echo $((a*b)) > ./c
# Multiply and write result in file "c"
```
- 3.sh:


```
total=0
# Initialize counter for totall file count
found=0
# Initialize counter for movable file count
for i in $(ls); do
# Define loop for each file in given dir
    total=$((total+1));
    # Increase totall file counter
    if grep -q moveme "$i"; then
    # Check each file content for moveme value
        found=$((found+1));
        # If movable, increase movable counter
        mv $i $2/
        # Move file to given Dir
    fi
done
echo $found
# Write moved file count to standart output
echo $total
# Write totall file count to standart output
```
- 4.sh:


```
R=$(awk -v min=1 -v max=100 'BEGIN{srand(); print
int(min+rand()*(max-min+1))}')
# Generate pseido random number in range from 1 to 100
attempts_left=10
# Define attempt counter
found=0
# Define bool for result validation
for i in `seq 10`
```

```

do
# Start loop to allow guess 10 times
read -p "Guess: " guess
# Read user input (Guess)
if [ "$R" -gt "$guess" ]
# Decide if random is greater
then
    echo "Thinks > $guess"
    # Output that random is greater
elif [ "$R" -lt "$guess" ]
# Decide if random is less
then
    echo "Thinks < $guess"
    # Output that random is less
elif [ "$R" -eq "$guess" ]
# Decide if it's a victory
then
    echo "Victory!!!"
    # Output Victory!!!
    found=1
    # Mark that it's victory
    break
    # Break for loop
fi
attempts_left=$((attempts_left-1));
# Decrease output counter for each iteration
echo "Attempts remaining:$attempts_left"
# Write left guess count to standart output
done
if [ "$found" -eq "0" ]
# Decide if it's not victory
then
    echo "$R"
    # Write random to standart output if not victory
fi

```