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QUESTION#1

INPUT

```
!/bin/bash


for i in {1..5}
do
  echo "Number: $i"
done
```

```
ammara@ammara-HP-ProBook-430-G2:~$ nano loop.sh
ammara@ammara-HP-ProBook-430-G2:~$ ./loop.sh
Number: 1
Number: 2
Number: 3
Number: 4
Number: 5
```

QUESTION#2

INPUT

```
#!/bin/bash

i=1
while [ $i -le 10 ]
do
  echo "Number: $i"
  ((i++))
done
```

```
ammara@ammara-HP-ProBook-430-G2:~$ nano while.sh
ammara@ammara-HP-ProBook-430-G2:~$ chmod 777 while.sh
ammara@ammara-HP-ProBook-430-G2:~$ ./while.sh
Number: 1
Number: 2
Number: 3
Number: 4
Number: 5
Number: 6
Number: 7
Number: 8
Number: 9
Number: 10
```

QUESTION#3

INPUT

```
#!/bin/bash

for i in {1..3}; do
  for j in {1..3}; do
    echo "$i x $j = $((i * j))"
  done
  echo  ""
done
```

```
ammara@ammara-HP-ProBook-430-G2:~$ nano nested.sh
ammara@ammara-HP-ProBook-430-G2:~$ chmod 777 nested.sh
ammara@ammara-HP-ProBook-430-G2:~$ ./nested.sh
1 x 1 = 1
1 x 2 = 2
1 x 3 = 3

2 x 1 = 2
2 x 2 = 4
2 x 3 = 6

3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
```

QUESTION#4

INPUT

```
#!/bin/bash

fruits=("apple" "banana" "cherry")
```

```
for fruit in "${fruits[@]}"
do
  echo "$fruit"
done
```

```
ammara@ammara-HP-ProBook-430-G2:~$ nano iterate.sh
ammara@ammara-HP-ProBook-430-G2:~$ chmod 777 iterate.sh
ammara@ammara-HP-ProBook-430-G2:~$ ./iterate.sh
apple
banana
cherry
```

QUESTION#5

INPUT

```
#!/bin/bash

input=""
while [ "$input" != "exit" ]
do
  read -p "Enter something (type 'exit' to quit): " input
  echo "You entered: $input"
done
```

```
ammara@ammara-HP-ProBook-430-G2:~$ nano exit.sh
ammara@ammara-HP-ProBook-430-G2:~$ chmod 777 exit.sh
ammara@ammara-HP-ProBook-430-G2:~$ ./exit.sh
Enter something (type 'exit' to quit): g
You entered: g
Enter something (type 'exit' to quit): w
You entered: w
Enter something (type 'exit' to quit): nuh
You entered: nuh
Enter something (type 'exit' to quit): quit
You entered: quit
Enter something (type 'exit' to quit): exit
You entered: exit
```