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Batch: F1

Subject: Operating System (OS)

Subject Code: 2CS506

Practical 3

1A) Multiple of 2 with while loop

Command:

```
swekit@swekit:~$ nano prac1a.sh
swekit@swekit:~$ sh prac1a.sh
Enter terms:5
2
4
8
16
32
swekit@swekit:~$
```

Nano file:

```
GNU nano 7.2
read -p "Enter terms:" t

a=1
i=1
while [ $i -le $t ]
do
    a=`expr $a \* 2`
    echo $a
    i=`expr $i + 1`
done
```

1B) Multiple of 2 with until loop

Command:

```
swakit@swakit:~$ nano prac1a.sh
swakit@swakit:~$ sh prac1a.sh
Enter terms:6
2
4
8
16
32
64
swakit@swakit:~$
```

Nano file:

```
read -p "Enter terms:" t
a=1
i=0
until [ $i -ge $t ]
do
    a=`expr $a \* 2`
    echo $a
    i=`expr $i + 1`
done
```

2) Combination of three-digit

Command:

```
swedit@swedit:~$ nano new.sh
swedit@swedit:~$ sh new.sh
3 digit combination
a:4
b:3
c:2
432
423
342
324
243
234
swedit@swedit:~$
```

Nano file:

```
GNU nano 7.2 new.sh *
echo "3 digit combination"

read -p "a:" a
read -p "b:" b
read -p "c:" c

for i in $a $b $c
do
    for j in $a $b $c
    do
        for k in $a $b $c
        do
            if [ $i = $j ] || [ $i = $k ] || [ $j = $k ];
            then
                continue;
            fi
            echo $i$j$k
        done
    done
done
```