1. Soal 1

code:

```
GNU nano 2.9.3                                                        soal1

#!/bin/bash

read n
i=0

min=0
max=0

until [ $i -ge $n ]
do
        read x
        if [ $i -eq 0 ]
        then
                max=$x
                min=$x
        elif [ $max -le $x ]
        then
                max=$x
        elif [ $min -ge $x ]
        then
                min=$x
        fi
        ((i++))
done

echo "MAX $max"
echo "MIN $min"
```

Output:

```
root@kicat:/home/badau# ./soal1
4
1
2
99
100
MAX 100
MIN 1
root@kicat:/home/badau#
```

2. Soal 2

Code:

```
GNU nano 2.9.3                                    soal2

#!/bin/bash

read x
read y
read z

hasil=`expr $y / $x`

if [ $hasil -eq $z ]
then
        echo ya
else
        echo Tidak
fi
```
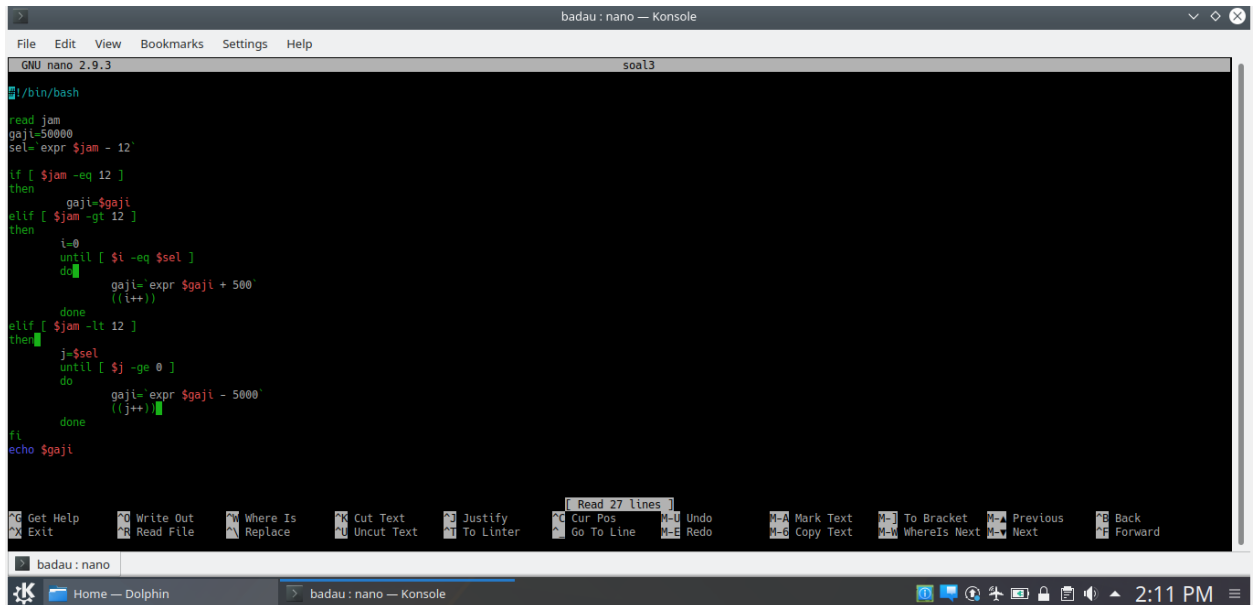
output:

```
root@kicat:/home/badau# ./soal2
5
5
2
Tidak
root@kicat:/home/badau# ./soal2
5
10
2
ya
root@kicat:/home/badau#
```
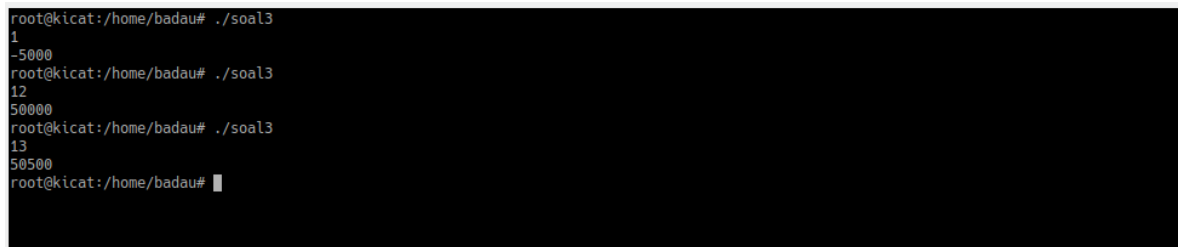
3. Soal 3

Code:

```bash
#!/bin/bash

read jam
gaji=50000
sel=`expr $jam - 12`

if [ $jam -eq 12 ]
then
        gaji=$gaji
elif [ $jam -gt 12 ]
then
        i=0
        until [ $i -eq $sel ]
        do
                gaji=`expr $gaji + 500`
                ((i++))
        done
elif [ $jam -lt 12 ]
then
        j=$sel
        until [ $j -ge 0 ]
        do
                gaji=`expr $gaji - 5000`
                ((j++))
        done
fi
echo $gaji
```

output:

```
root@kicat:/home/badau# ./soal3
1
-5000
root@kicat:/home/badau# ./soal3
12
50000
root@kicat:/home/badau# ./soal3
13
50500
root@kicat:/home/badau#
```
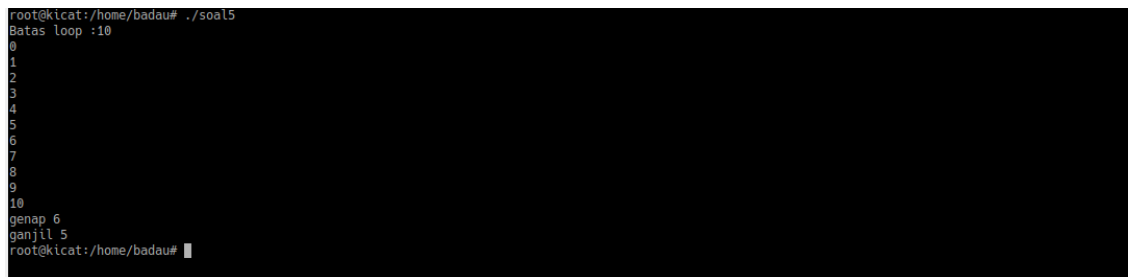
4. Soal 4
code:

Output:

5. Soal 5
code:

```bash
#!/bin/bash

read -p "Batas loop :" n
i=0
j=0
k=0
until [ $i -gt $n ]
do
        read x
        ((i++))

        if [ `expr  $x % 2` -eq 0 ]
        then    ((j++))
        else    ((k++))
        fi
done
echo "genap $j"
echo "ganjil $k"
```
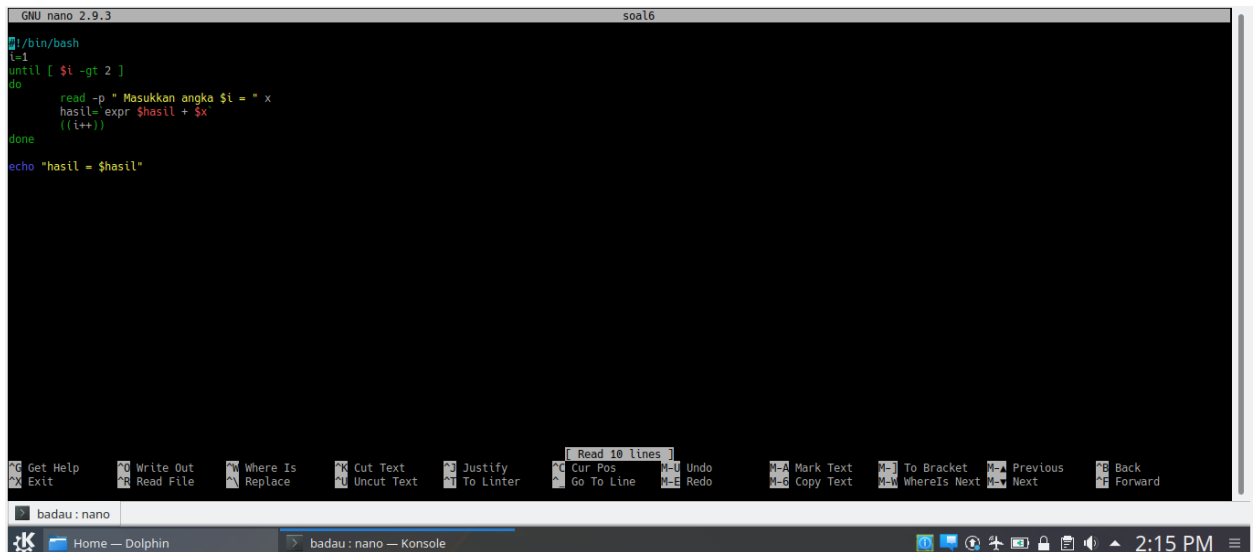
output:

```
root@kicat:/home/badau# ./soal5
Batas loop :10
0
1
2
3
4
5
6
7
8
9
10
genap 6
ganjil 5
root@kicat:/home/badau#
```
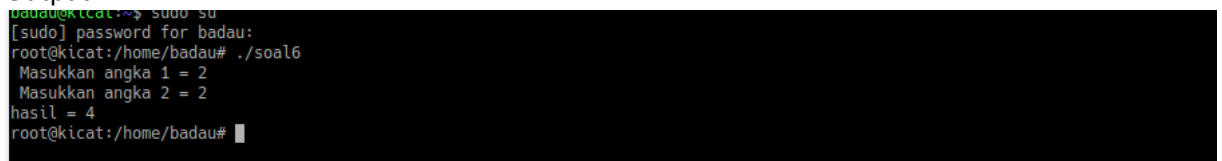
6. Soal 6

code:

```
GNU nano 2.9.3                                         soal6

#!/bin/bash
i=1
until [ $i -gt 2 ]
do
        read -p " Masukkan angka $i = " x
        hasil=`expr $hasil + $x`
        ((i++))
done

echo "hasil = $hasil"
```

Output:

```
badau@kicat:~$ sudo su
[sudo] password for badau:
root@kicat:/home/badau# ./soal6
 Masukkan angka 1 = 2
 Masukkan angka 2 = 2
hasil = 4
root@kicat:/home/badau#
```