

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=$((i++))
done
echo "MAX $max"
echo "MIN $min"
```

Output:

```
root@kicat:/home/badau# nano soal1
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)

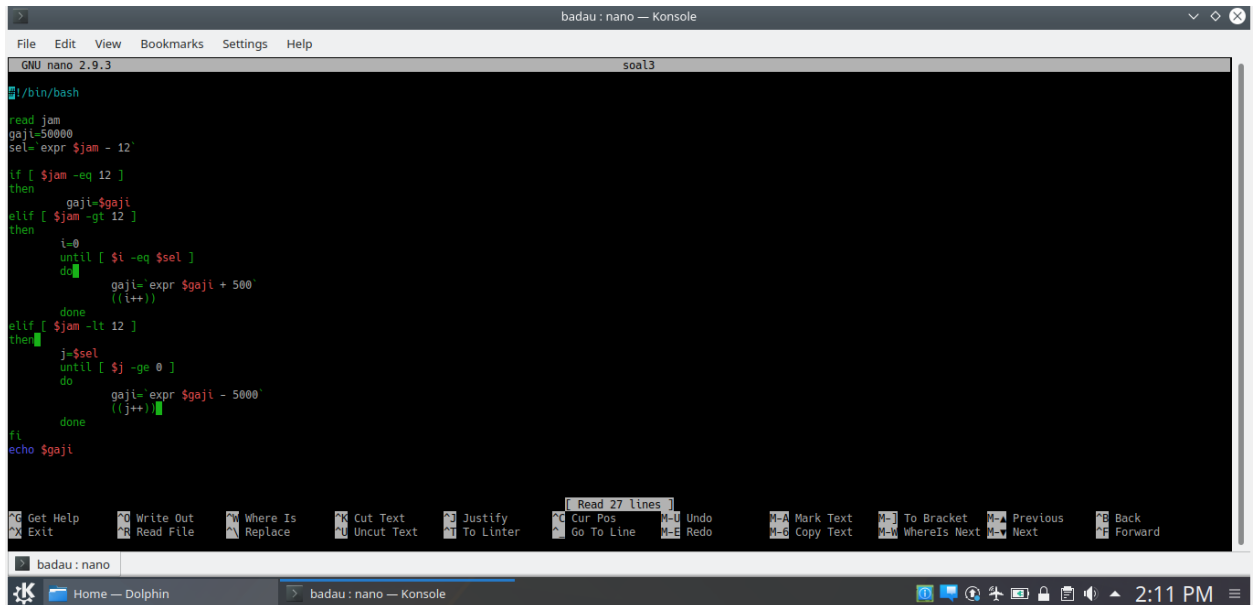
if [ $hasil -eq $z ]
then
    echo ya
else
    echo Tidak
fi
```

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:

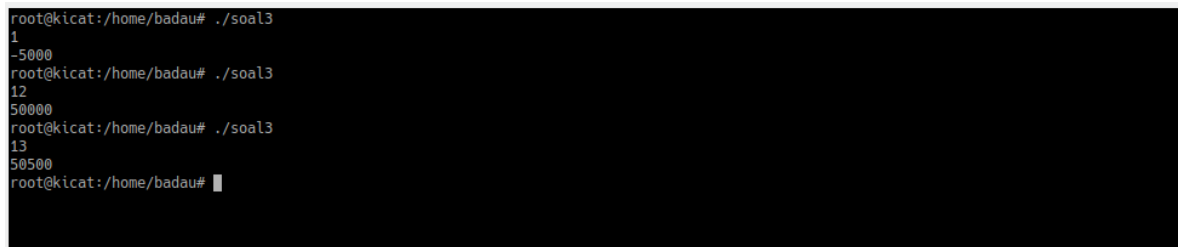


```
GNU nano 2.9.3 soal3
#!/bin/bash

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
-50000
root@kicat:/home/badau# ./soal3
12
50000
root@kicat:/home/badau# ./soal3
13
50500
root@kicat:/home/badau#
```

4. Soal 4

code:

The screenshot shows a Linux desktop environment. The main window is a terminal titled "badau : nano — Konsole". Inside the terminal, the GNU nano 2.9.3 editor is open, displaying a shell script to calculate the sum of numbers from 1 to 100. The script is as follows:

```
#!/bin/bash

i=0
for A in `seq 1 100`
do
    until [ $i -ge 10 ]
    do
        echo $A
        ((i++))
    done
done
```

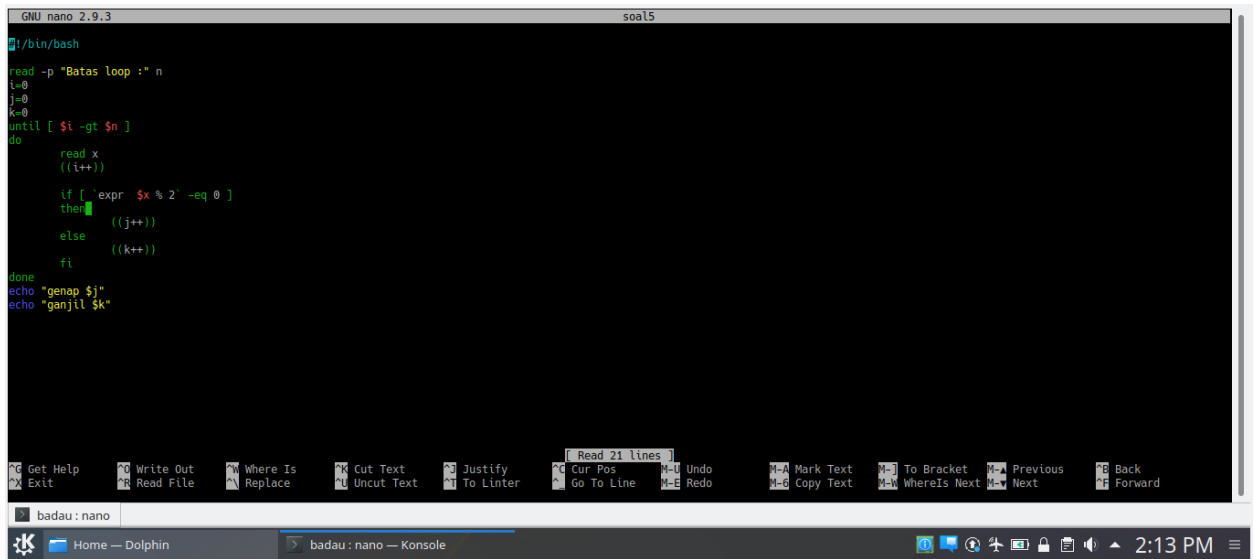
The terminal window has a menu bar with File, Edit, View, Bookmarks, Settings, and Help. The status bar at the bottom of the terminal shows various keyboard shortcuts for actions like Get Help, Write Out, Where Is, Cut Text, Justify, Cur Pos, Undo, Mark Text, To Bracket, Previous, Back, Exit, Read File, Replace, Uncut Text, To Linter, Go To Line, Redo, Copy Text, WhereIs Next, Next, and Forward. The desktop background is a dark blue gradient with a grid pattern. The taskbar at the bottom shows the Dolphin file manager and the terminal window. The system clock in the bottom right corner indicates the time is 2:12 PM.

Output:

[illegible]

5. Soal 5

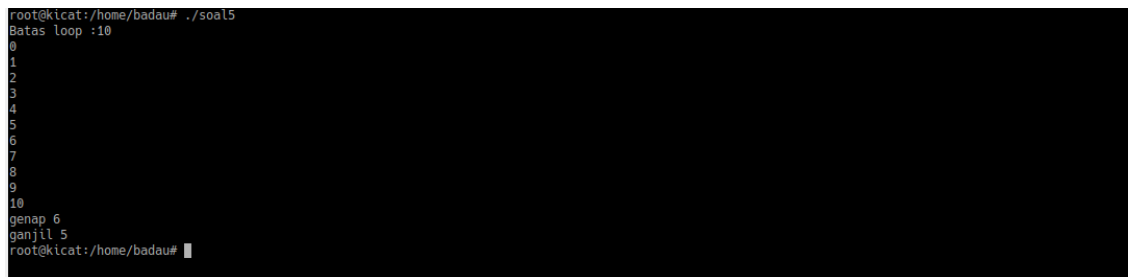
code:



```
GNU nano 2.9.3 soal5
#!/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"
```

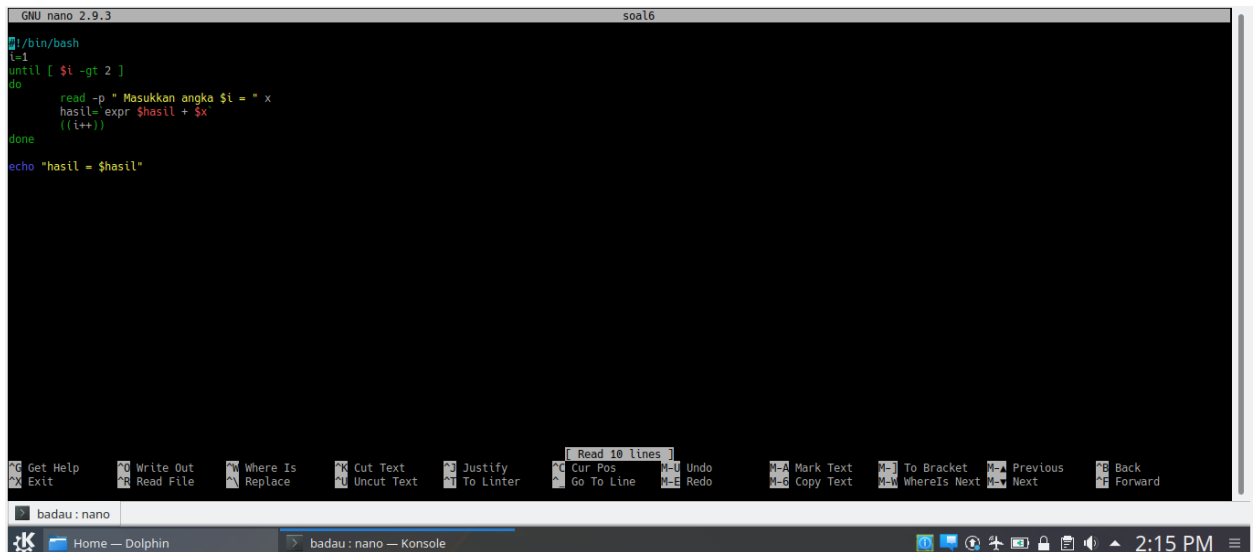
output:



```
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#
```

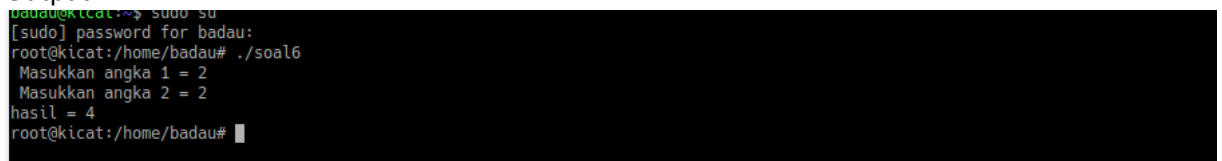
6. Soal 6

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#
```