



9/9

0800 Antan started
1000 " stopped - antan ✓
1300 (032) MP - MC ~~1.982147000~~
(033) PRO 2 2.130476415
concl 2.130676415
Relays 6-2 in 033 failed special speed test
in relay " 10.00 test.

1100 Started Cosine Tape (Sine check)
1525 Started Mult + Adder Test.

1545



Relay #70 Panel F
(moth) in relay.

First actual case of bug being found.
1630 Antan started.
1700 closed down.

Relay
2145
Relay 3370

say

hello, world!

statements

```
say hello, world!
```

mouse down?

Boolean expressions





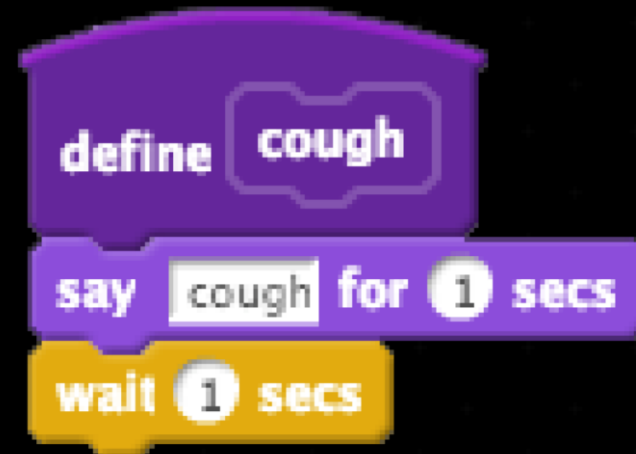
conditions



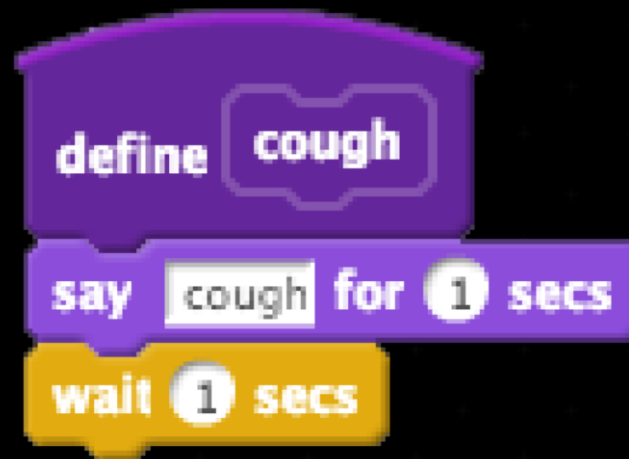


loops





functions



code source code

`#include`

`<stdio.h>`

```
int    main(void)
{
    printf("hello,
world\n");
}
```

compiler

source code

compiler

source code

compiler object code

[illegible]

00000000 00000000 00000000 00000000 00000000 00100000 00000000 00000000

. . .





```
int    main(void)
{
    printf("hello,    world\n");
}
```

statements



statements



```
printf("hello,      world\n");
```

loops



loops



```
while (true)
{
    printf("hello, world\n");
}
```

loops



loops



```
for (int i = 0; i < 10; i++)  
{  
    printf("hello, world!\n");  
}
```

variables



variables

```
int counter = 0;  
while (true)
```



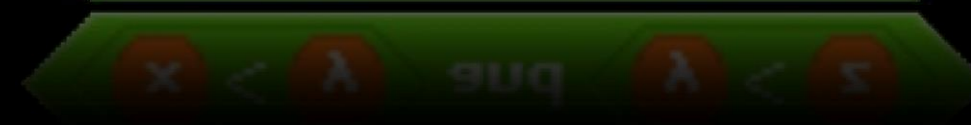
```
{  
  counter);  
  counter++;  
}
```

```
printf("%d\n",  
counter++;
```

Boolean expressions

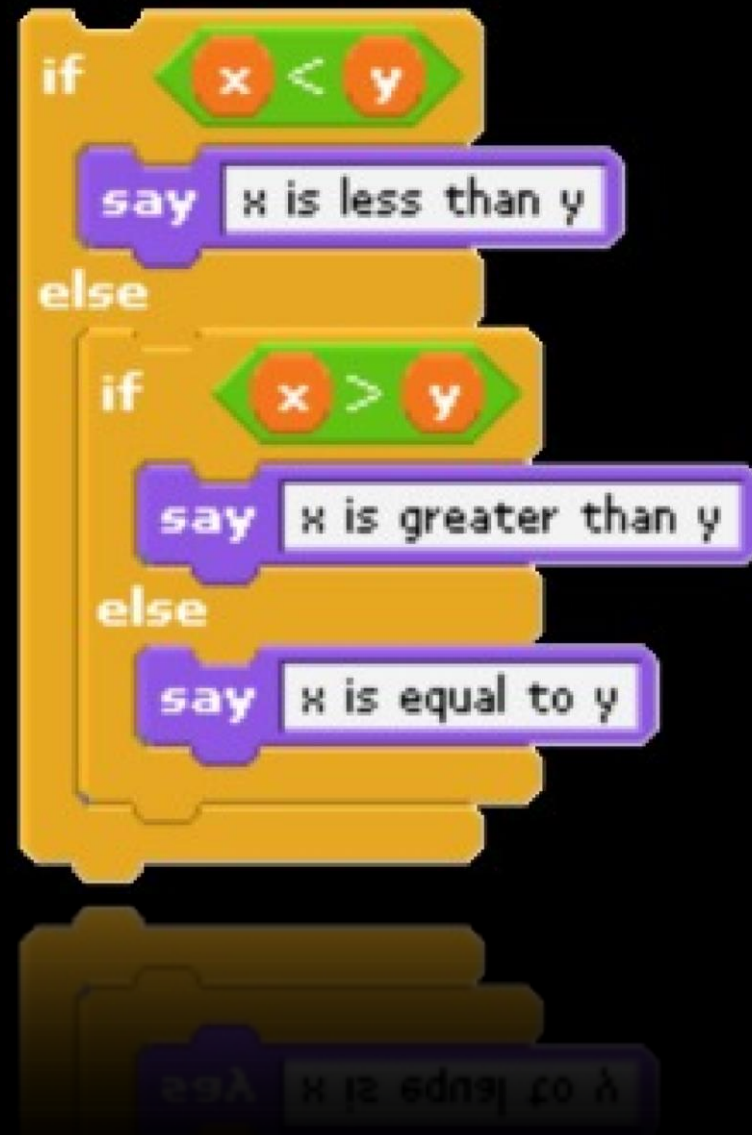


Boolean expressions



$((x < y) \ \&\& \ (y < z))$

conditions



```
if (x
{
    printf("x is
}
else if (x
{
    printf("x is
}
else
{
    printf("x is
}
```

```
#include    <stdio.h>
```

```
int    main(void)
```

```
{
```

```
printf("hello,  
world!");
```

```
}
```


Home


Trash

CS50

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10-0



how to write a program

gedit



hello.c (~) - gedit

File Edit View Search Documents Help

Source Code

Functions

main

hello.c x

```
1 #include <stdio.h>
2
3 int main(void)
4 {
5     printf("hello, world\n");
6 }
```

jharvard@appliance (~):

Terminal

C v

Tab Width: 4 v

Ln 6, Col 3

INS

50 Menu



hello.c (~) - gedit

20 Menu



hello.c (~) - gedit

19-0



10-0



how to compile a program

```
make hello
```

how to run a program

```
./hello
```

Linux commands

ls

mkdir

cd rm

rmdir

...

how to compile a
program

```
clang    ---o    hello    hello.c
```

how to run a program

```
./hello
```

functions

```
main
```

Standard Library

```
stdio.h
```

printf

...

CS50 Library

cs50.h

GetChar

GetDouble

GetFloat

GetInt

GetLongLong

GetString

types

char

double

float

int

long

long

...

to be continued...