

# Содержание

<b>ветвление</b> .....	3
<b><i>if</i></b> .....	3
<b><i>else</i></b> .....	3
<b><i>switch</i></b> .....	3
<b>Тернарный оператор</b> .....	4



# ВЕТВЛЕНИЕ

## if

```
#include <stdio.h>

int main(void){
    int n = 10;

    if(n == 20) printf("n = 20 \n");
    if(n == 10) printf("n = 10 \n");

    return 0;
}
```

## else

```
#include <stdio.h>
int x = 60;

if(x > 60) {
    printf("x is greater than 60 \n");
} else {
    printf("x is less or equal 60 \n");
}
```

```
#include <stdio.h>
int x = 60;

if(x > 60)
    printf("x is greater than 60 \n");
else if (x < 60)
    printf("x is less than 60 \n");
else
    printf("x is equal 60 \n");
```

## switch

```
#include <stdio.h>

int main(void){
    int x = 5;

    switch(x){
```

```
case 1:
    printf("x = 1 \n");
    break;
case 2:
    printf("x = 2 \n");
    break;
case 3:
    printf("x = 3 \n");
    break;
default:
    printf("x is undefined \n");
    break;
}
return 0;
}
```

## Тернарный оператор

[первый операнд - условие] ? [второй операнд] : [третий операнд]

читать как: если условие ? то : иначе

```
#include <stdio.h>

int main(void){
    int x=5;
    int y=2;

    int z = x > y ? x-y : x+y;

    printf("z = %d", z);        // z = 3
    return 0;
}
```

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