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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;
}
```

From:
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https://wiki.radi0.cc/c:c_ultimate_guide:branching

Last update: **2025/11/09 12:07**