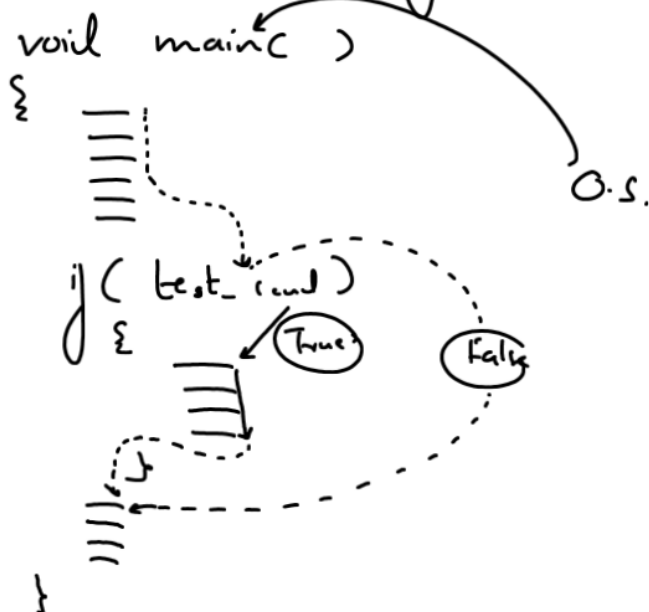


Decision Control Statements

- | | |
|-------------------------|--------------------|
| ① if | ④ nested if |
| ② if . else | ⑤ switch |
| ③ if .. else if .. else | ⑥ Ternary Operator |
| | ⑦ goto |

Syntax of "if" Statement



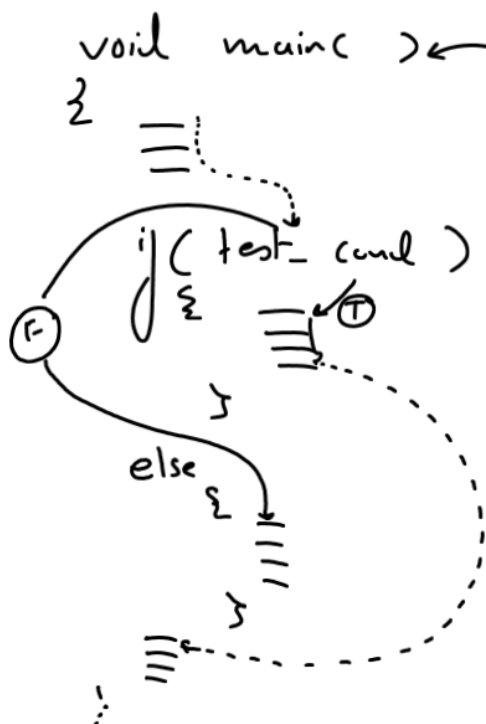
WAP to accept an integer from the user and check whether it is a POSITIVE number or a NEGATIVE number. Assume that the user will not input 0.

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a;
    clrscr();
    printf("Enter an int:");
    scanf("%d",&a);
}
```

-5
a

```
if(a>0)
{
    printf("Number is Positive");
}
if(a<0)
{
    printf("Number is Negative");
}
getch();
}
```

Syntax of "if-else"



```
if ( test_cond )
{
}
else
{
}
```

(Tc)
Misplaced
else
(Ming)
else without if

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a;
    clrscr();
    printf("Enter an int:");
    scanf("%d",&a);
}
```

-5
a

```
if(a>0)
{
    printf("Number is Positive");
}
else
{
    printf("Number is Negative");
}
getch();
}
```

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a;
    clrscr();
    printf("Enter an int:");
    scanf("%d",&a);
}
```

-5
a

```
if(a>0)
{
    printf("Number is Positive");
}
if(a<0)
{
    printf("Number is Negative");
}
if(a==0)
{
    printf("Number is 0");
}
getch();
}
```

Syntax of "if-else if-else"

```

void main()
{
    //
    if (test_cond)
    {
        //
    }
    else if (test_cond)
    {
        //
    }
    else
    {
        //
    }
}

```

O.S.

Final version of the previous code

```

#include <stdio.h>
#include <conio.h>
void main()
{
    int a;
    clrscr();
    printf("Enter an int:");
    scanf("%d",&a);
}

```

-5
a

```

if(a>0)
{
    printf("Number is Positive");
}
else if(a<0)
{
    printf("Number is Negative");
}
else
{
    printf("Number is 0");
}
getch();
}

```