

①

## Nested If

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

②

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

III

```
if ( !st- cond )
{
    if ( !st- cond )
    {
        //
    }
    else {
        //
    }
}
else {
    //
}
```

```
if ( cond 1 && cond 2 )
{
    //
}

if ( cond 1 )
{
    if ( cond 2 )
    {
        //
    }
}
```

WAP to accept 3 integers from the user and find out the GREATEST number amongst them. Assume that all 3 integers are unique and DO NOT USE ANY LOGICAL OPERATOR.

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a,b,c;
    clrscr();
    printf("Enter 3 unique integers:");
    scanf("%d %d %d",&a,&b,&c);

    if(a>b)
    {
        if(a>c)
            printf("Gr no is %d",a);
        else
            printf("Gr no is %d",c);
    }
    else
    {
        if(b>c)
            printf("Gr no is %d",b);
        else
            printf("Gr no is %d",c);
    }
    getch();
}
```

Handwritten annotations for the first code block:

- Variables `a`, `b`, and `c` are boxed with values 35, 27, and 40 respectively.
- A checkmark is placed next to the first `printf` statement.

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a,b,c;
    clrscr();
    printf("Enter 3 unique integers:");
    scanf("%d %d %d",&a,&b,&c);

    if(a>b)
    {
        if(a>c)
            printf("Gr no is %d",a);
        }
    else
    {
        if(b>c)
            printf("Gr no is %d",b);
        else
            printf("Gr no is %d",c);
        }
    getch();
}
```

Handwritten annotations for the second code block:

- Variables `a`, `b`, and `c` are boxed with values 20, 10, and 30 respectively.
- A cloud-like shape contains the handwritten text "Wry code!".
- A checkmark is placed next to the first `printf` statement.