```cpp
int max{};

int a{35};
int b{20};

std::cout << std::endl;
std::cout << "using regular if " << std::endl;

if(a  >  b){
    max = a;
}else{
    max = b;
}

std::cout << "max : " << max << std::endl;
```

Ternary expression

```
result = (condition) ? option1 : option2 ;
```

Equivalent

```
if(condition){
    result = option1;
}else{
    result = option2;
}
```

Ternary

```cpp
int max{};

int a{35};
int b{20};

max = (a > b) ? a : b ;

std::cout << "max : " << max << std::endl;
```

Types must much or be convertible

```
max = (a > b) ? a : "b" ;// Error
```

Ternary initialization

```cpp
//Ternary Initialization
std::cout << std::endl;
std::cout << "speed" << std::endl;
bool fast = false;

int speed { fast ? 300 : 150};

std::cout << "The speed is : " << speed << std::endl;
```