

# Practice

1, Implement a hello world program.

2, Get the result(value) of following expression:

```
int a=3/2;
```

```
int b=5%3;
```

```
float c=a+0.2;
```

```
int d=c+1;
```

```
a++;
```

```
a--;
```

```
a+=3;
```

```
a*=2;
```

```
a-=2;
```

```
a/=2;
```

3, Implement a program to compare two numbers and print out the larger one. (use **if**)

4, Implement a program to judge whether an integer is odd or even, and print out the result.(**Switch**)

5, Implement a program to print out the element of an array with size 40, initialized with random number. (use **for** or **while**)

6, Implement a function to sort an array from big to small order. (Try to use **pass by reference** and print out the element in your main function)

7, Implement a function to sort a vector from small to big order.

8, Declare a struct with name `name_pair`, member `int age`, `string name`.

9, Create a `vector<name_pair>` and do lab 8 again.