Repetitorium Test 1

```cpp
#include<iostream>
using namespace std;

int main();
int Main();
int maiN();

int maiN()
{
    return 6;

    cout << "main";
}

int main()
{
    cout << 76; cout << Main(); cout << 1;

    return 8;
}

int Main()
{
    cout << 7; cout << maiN(); cout << 16;

    return 7;
}
```

```cpp
#include <iostream>
using namespace std;

int g(int n) {
  return n += 7;
  n *= 8;
}

int f(int n) {
  n++;
  return g(n);
}

int main()
{
  int n{6};

  cout << f(n);
  cout << n;

  return 0;
}
```

Repetitorium Test 1

```cpp
#include <iostream>
using namespace std;

int h(int n) {
    return n * 10 + 3;
}

int g(int n) {
    return h(n) * 10 + 4;
}

int f(int n) {
    return g(n) * 10 + 6;
}

int main()
{
    cout << 23 << f(2) << 5;

    return 0;
}
```

```cpp
#include <iostream>
using namespace std;
int f(int i) {
    constexpr int a{1}, b{5}, c{2}, d{9};
    switch (i) {
        case 0: return a;
        case 1: return b;
        case 2: return c;
        case 3: return d;
        default: return 152;
    }
}
int main()
{
    int count{0};
    int result{f(2)};
    do {
        int number{f(count)};

        if (number > result)
            result = number;
        else
            cout << number;

        ++count;
    } while (count<4);
    cout << result;

    return 0;
}
```

Repetitorium Test 1

```cpp
#include <iostream>
using namespace std;

int main()
{
    cout << "HEIM" << 1 << '9' << "4";
    cout << sizeof("HEIM") << sizeof("\"HEIM\"");
    cout << sizeof('9') << sizeof("1");
    cout << "1\"HEIM\"9";

    return 0;
}
```

```cpp
#include <iostream>
using namespace std;

int main()
{
  int i{538};
  while (i) {
    for (int j{i%10+1}; j>(i%10-1); --j)
      cout << j;
    i = i/10;
  }

  return 0;
}
```

Repetitorium Test 1

```cpp
#include <iostream>
using namespace std;

int main()
{
   int a{1};
   int b{8};
   int c{3};

   cout << a << "b" << 'c';
   cout << "c=a" << (b=c);
   cout << (a+b) << "c+a";

   return 0;
}
```

```cpp
#include <iostream>
using namespace std;

int main()
{
   constexpr int a{3};
   constexpr int b{2};
   constexpr int c{7};

   if (a < b < c)
     if (c > b > a)
       if (a > c) cout << 32;
       else cout << 23;
     else
       if (b < c) cout << 72;
       else cout << 27;
   else
     if (b > a > c)
       if (a < c) cout << 37;
       else cout << 73;
     else
       if (b > c) cout << 79;
       else cout << 97;

   return 0;
}
```

Repetitorium Test 1

```cpp
#include <iostream>
using namespace std;

void f(int a) {
  int i{0};

  do {
    cout << a%2;
    a/=2;
    ++i;
  } while (i < 3);
}

int main()
{
  for (int a{618}; a; a/=10)
    f(a%10);

  return 0;
}
```



```cpp
#include <iostream>
using namespace std;

int f(int i) {
  int res{4};

  switch (i) {
    case 3: res += 5;
                 break;
    case 1: res += 6;
    case 2: res += 5;
                 break;
    default: res += 3;
  }

  return res;
}

int main()
{
    for (int count{0}; count<=3; ++count)
      cout << f(count);

    return 0;
}
```

Repetitorium Test 1

```cpp
#include <iostream>
using namespace std;

bool f(int a, int b) {
   cout << a;
   return a > b;
}

int main()
{
    int a{2};
    int b{6};
    int c{7};

    if (f(a, 267) + f(b, -267) - f(c, a)) {
      a = a+100;
      cout << a+c*10;
    }
    else {
      c = c+200;
      cout << c+b*10;
    }

    return 0;
}
```

```cpp
#include <iostream>
using namespace std;

int main()
{
    int a{2};
    int b{5};
    int c{8};
    int d{3};

    cout << a++ << ++b << c-- << --d;
    cout << (d += ++a + b++);
    cout << a++ << ++b << c-- << --d;

    cout << a << b << c << d;

    return 0;
}
```

Repetitorium Test 1

```cpp
#include <iostream>
using namespace std;

int main()
{
    int i{854};

    if ((i % 2) == 0)
        ++i;
    else
        i += 2;

    cout << static_cast<double>(i / 2) / 10;
    cout << static_cast<double>(i / 2 / 10);
    cout << static_cast<double>(i) / 2 / 10;

    cout << i;

    return 0;
}
```

```cpp
#include <iostream>
using namespace std;

bool f(int a, int b) {
  cout << a;
  return a > b;
}

int main()
{
    int a{8};
    int b{1};
    int c{7};

    if (f(a, 817) && f(b, -817)  || f(c, a)) {
      a = a+100;
      cout << a+c*10;
    }
    else {
      c = c+200;
      cout << c+b*10;
    }

    return 0;
}
```

Repetitorium Test 1

```cpp
#include <iostream>
using namespace std;

int main()
{
    int i{524};
    while (i) {
        switch (i%10) {
            case 5: cout << i;
            case 8: cout << 'i';
            case 4: cout << "i";
                        break;
            default: cout << "*";
        }
        i/=10;
    }

    return 0;
}
```