

Macros

Mocones are pre-processor directions that ollow you to define constants, functions or cacle.

Shippels that can use throughout your code.

they are typically defined using the # define dispective & are evolvated by the preprocessor before the coole is completed.

Mocros con be used for the voriety of purpose, sen as delining constant or creating.

Shorthand for commonly used expression.

tert -> code Compile -> m/c code -> ene

उकि ए

first compiler great the coole seprentially find the although they find the oldine (\$290009)

```
using namespace std;
                                // create macros -> does not consume any space in
                                memory
                                #define PI 3.14159465
Peroza Combilia
                                // float circleArea(float r){
                                     return 3.14 * r * r;
                                //
                                //
                                    // we can make macro of 3.14
                                //}
                                float circleArea(float r){
                                   return PI * r * r;
                                }
                                float circleParameter(float r){
                                   return 2 * PI * r;
                                }
                                int main(){
                                   cout << circleArea(34.4) << endl;
                                   cout << circleParameter(3.4) << endl;</pre>
```

' #include<iostream>

```
#include<iostream>
                                    using namespace std;
                                    // create macros
                                    #define MAXX(x,y) (x > y ? x : y)
عمياعل
                                    void fun(){
                                       int x = 6;
                                       int y = 17;
                                       // int z = x > y ? x : y;
                                       // using this write again and again make macros
                                    of z
                                       int z = MAXX(x,y);
                                       cout << z << endl;
                                    }
                                    void fun2(){
                                       int x = 25;
                                       int y = 17;
                                       int z = MAXX(x,y);
                                       cout << z << endl;
                                    void fun3(){
                                       int x = 6;
                                       int y = 2;
                                       int z = x > y ? x : y;
                                       cout << z << endl;
                                    int main(){
                                       fun();
                                       fun2();
                                       fun3();
```