



# While loop

## Repetitive tasks

```
//Print I love C++ 10 times  
std::cout << "I love C++" << std::endl;  
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```

## while loop

```
const unsigned int COUNT {10};

unsigned int i {0};

while ( i < COUNT){
    std::cout <<" I love C++" << std::endl;
    ++i;
}
```





## Pillars of any loop

- Iterator
- Starting Point
- Test( controls when the loop stops)
- Increment(Decrement)
- Loop body

```
while loop
count = assigned int (0)
while (count < 10)
{
    cout << count << " " << endl;
    count++;
}
```

## for loop

```
for(size_t i{}; i < 10 ;++i){  
    std::cout << "I love C++" << std::endl;  
}
```

## while loop

```
const unsigned int COUNT {10};  
  
unsigned int i {0};  
  
while ( i < COUNT){  
    std::cout <<" I love C++" << std::endl;  
    ++i;  
}
```