

1 why cpp have pointer and java don't have

<https://youtu.be/C5kOrWzv2O8?si=Z506q>

2 acces modifiers in the cpp

<https://www.geeksforgeeks.org/access-modifiers-in-cpp/>

3 class and object in cpp

<https://www.geeksforgeeks.org/c-classes-and-objects/>

4 this pointer in cpp

<https://www.geeksforgeeks.org/this-pointer-in-cpp/>

5 constructor and cons. Overloading

<https://www.geeksforgeeks.org/constructor-overloading/>

6 copy constructor in cpp

<https://www.geeksforgeeks.org/copy-constructor-in-cpp/>

7 static data members

<https://www.youtube.com/watch?v=GGkwvXpYk08>

8 local class

<https://www.geeksforgeeks.org/cpp-static-local-class/>

9 polymorphism

<https://www.geeksforgeeks.org/local-class-in-cpp/>

10 function overloading

<https://youtu.be/mVyC3WN9syw?si=uforVl8jYk08>

11 operator overloading

<https://youtu.be/MiDsF8MSO1c?si=bz30UX8jYk08>

12 inline function

<https://www.geeksforgeeks.org/function-overloading/>

13 virtual function

<https://youtu.be/RGzWBvwmIJU?si=cGLOU8jYk08>

13 friend function

<https://youtu.be/0QjDxmSVryU?si=P6kSk79jYk08>

14 call by and pass by reference

<https://youtu.be/-L4ZinY0g20?si=5clrjWYVx8jYk08>

15 inheritance

<https://youtu.be/XOSblnOEhKY?si=Pgoj0Kb8jYk08>

16 exception handling

https://youtu.be/HSt5G_Otb84?si=FBGvP68jYk08

17 **Stack Unwinding**

<https://www.geeksforgeeks.org/difference-between-call-by-reference-and-call-by-value/>

18 c vs cpp

<https://www.geeksforgeeks.org/inheritance-in-cpp/>

19 Encapsulation in cpp

<https://youtu.be/jD-INjISiSk?si=iqoFYELih1z8jYk08>

20 Abstractions

<https://www.geeksforgeeks.org/exception-handling-in-cpp/>

21 types of error in cpp

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22 catch all exception

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23 rethrow exception in the cpp

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24 template in the cpp

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25 stl classification

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26 containers

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27 sequece container

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vector

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array

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28 Association container

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set

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map

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multi set

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multimap

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29 unordered association

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unordered_set

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30 container adapters	
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priority_queue	https://www.geeksforgeeks.org/priority-queue-cpp/
31 pointer	https://www.geeksforgeeks.org/cpp-pointers/
32 vtable and vptr	https://youtu.be/gHxmAgedyDk?si=nkOCA
33 virtual constructor	https://www.geeksforgeeks.org/vtable-and-vptr/
34 smart pointer	https://www.geeksforgeeks.org/advanced-cpp-smart-pointers/
35 shared pointer	https://www.geeksforgeeks.org/shared_ptr/
36 dynamic allocation in cpp	https://www.geeksforgeeks.org/new-and-delete-operators/
37 thread pool in cpp	https://www.geeksforgeeks.org/thread-pool-cpp/