Item 20: Prefer pass by Reference to const to pass by value Consider following example Class Person pul lic Person(); Vished v Person (); private: Shing name; Shing address Class Student: public public ! Student () 1 Student () private: String school Name

Date:
now consider a function bool validatestudent (8 modernt 5);
Shident SI; bool ox = validateShident (SI);
> Student logay ctor called to initialize parameter s promst.
=> s is deshoyed when validatishedent setur
The order of events are. >> Person chr called.
=> Student copy ctor => Student has true storing objects; etor of 2 String objects => ctors of true string of Person also
=> Strong of 9 string object of Person &
=> actor of Person Student => Otor of Person
if me pass by value.

To keypass all eter kater pass ky reference to const bool validatistudent (const Student (s); => No ctor & ator are earled -> Const is used otherwise carles mould have to morry about validate student making changes to student object passed In fears by value, another copy of object is created so there is ho plan of copy/constantness but in pass by reference better to use const > Also if derived class object is passed by value to base class object Object slicing no will happen. For example > Class Window } public: string name () const; Virtual noid alisplay () const;

Class Windowwith Scroll hars public; virtual void display const void print Name And Disgley (window W Cout << w. name 1) Pobject widisplayes; If we call. WindowshithScrollBass worsh: point Named and Display (wwwb). The call to display existed print Namo And Display will always call I window: Display frence word will be soliced of => All this blog references are implemented. as pointers void print Name And Wisplay (coust window & w [nout be sheed.

Date:.... en have object of kuit intype, then also STL uterators & punction object