Тепа 4 Указател Ніз. Глен-функции. Конструктори и дигруктори. Извижване на конструктори и десярустори. Конвертираци конструктори. Извикване на конструктори и деструктори при масиви (статични и д инапити). Абстрици. Lancyrayro Mogasbuka Topu za goción. Mutable. YKAZATEN HIS
- YKAZATEN KEN TEKYING OSEKT - been ofer una romo transfo - uzhorzba ce za uzbukbane na run-gannu/do-yun - KOHCTANTEN YKAZATEN (HE MOXCE 99 CE MECTU) Then- of yuzyun - fryng 6 TSNOTO HA UNCTANGESTRIAC - padotat gypertho C CAM-gannute na KIACA/ - 113 buxea ce or objet 119 kjaca Spunep: Struct A? Struct A 3 > lood 15 Big/s
return aa>1000; book is Big/const Ada) { return a. aa > 1000; A ai A * ptrinew A() // CUNTARTUTUR 34xap 39 (\$ pts). ptr sisBigi delete Pts;

1. компинатора преобразува ТЛЕМ-ф-игиле из of your c gon Emurale napane TEP Const Obj this Toursep. Struct As Ronnogny Struct As-1; Hisse nogsen void A: flat const) \ -- } KOHCranin THEM- 6-444 - He inpohenst com-garmine
- le restation iniciany in ga ce restant cano gryru
con st op-you Dpuney: void m(const AA a) } Struct Af a, g(); xVoit 9(1; a.p(),v Void P() (on9) a.f(liv void f() const ? g()iXPlliV 3,40

-npr Kounhjazia Struct A & Void f(), -> flax const) where ga young Void 9() const; -> 9 (const. A " const this);

He Morea ga me com yearns

reponent rea-garmen Muzuen yoursell na obersa Point P??; — 3ª gabar ce crain och na mponullulure [koncap.) DE UZTUCEBAT LE BEMUNISE PELYPOU(gerp.)
DO CBODO HIGABA CE NAMETIA 3ª OSLETA (KOMPUNATOP) Loucipy top - 42 brucha ce nou cozgabare na obera - 30gers pecypen u unughanzypa nopramubu (initializaria, - 4949 Tun na leptyane - Obyoto une Karo Kraca - AKO HIMA NAPAMETPU CE MAPUTA default -abtenditution de remepupe or Ropinharopa, ans para конструктор с парометри. Pulmep: Struct A? Kommes struct A? A(18.7)

Konerpykrop npu Charane - кенетр. на X има отроворност за живота на А,В,С (с композици) Struct A 23) Struct B{} -X () }- }-npth He Workbash Ha Konesp. Struct C97 abromarueno ce cozgala: Struct X3 A a; X (1= AO,B(),C() {} B 6; MHUGLANZ Zupany Concer (c_i) - pega Ha æzgalane brinsen e le egnande pig sen zanne le Oppgesyfæra XCITT -ири лина на конств инициал. Chuck na HIRON O DERT CE BURG det, and To HSMA => Compile time Decrpywiop - octoborcyla bonunne pecypeu na obenia - HE otrobape 3ª us Tpubaners na calles odect. - Cheynanna &- lynd - He BPBya Tun - Coyara Karo unito na resala e Nornply -ако няма разписам кемп. Тем. Овтоматично Mpnnep: Struct DF > Komm. Struct DJ 1P(12-13

кенстр., но Сано 1 депружтор hoixan ga aname muoro Destpyrop you blarane Wpumep: Struct A & A(); Struct X5 ~X0? A (int); A a;
Be;
Ce; A (Louble) PN(NB, NA $\sim A();$ тотно обратен ред на Ион стр. перво се извики Upnnep: Koncop+ Decop Konbeptupan Koncsp.
- Koncsp. C TOTHE egun
napamestop CMUCELLE & TOBA L KATO MYK GR "OFEDUN" CTPYKT GRAFA U GI US DESTREM CSPANNITHU LESSENTU OT Zabu CAMOOT Mpunep: X (int a); explicit
- razbu te 7034 KON CTJYRTOPHE TPROBE ga e
KONBEPTUPARIS U 3a gh ce uzhonzbe TPROBA ga ce
NJUNDACU Static-Cast Sprinep: explicit Pointlint yall Point (int val): x(val), y(val) Printfoint (10): X Print Point (const Point & p) print Point (Static CastePoint)
machen (10)); Uzbuzbure Ha KONGIP. U GREIP. NPU 1 A arr [10]; (10 x Al) 0 x (10 x ~Al) / uzrpubu ce mai - cropo et 39.

-guHannemy

A arr=new A (3); // 3×A() 12) X NR CE BUKAT GEOGE. At arr=new A [3]; //3XA()

delete [] arr; //3 x NA() Merepateix 3 ª gocsón - nyshuthu Then-of-yhu -nozberslar Ha norpediirens ga npomena tiln-gamm - myratopu (set)-nozbonsba magnaphrania, no nog - COLEKTOPU (GRT)-6PELGA KONLE KONES*/KONCS & KZU
garhure, USha Kak ga ségur npenenenn. Il pulley: Struct Bank ? Private: int balonce; int getBalon(e() const; Void Set Balance (int) ill validation

6

paron le menjo dez ga ce untipylame rax na reenysien gerauny - Cxpubase V-7: 7: V Kancyrague - or parintenne ma gocióna na norpedateros go bascom Enementa na nporpanara -из ползване на модификатори за достоп. a) private-gocian caus bulges di protected-govien l'unaca n'e macneghique 6) public - golten orblakage Krac ce pazantaba or Struet no geoportuara EUGNHOO HA CHEN- ganMITE U geopoNTHUS METOG HA Machegalenne

Truct A:B{-}

Class C.R private

7

Mutable - MoTupalya Then-gastin - Then-gather , Konto Merat goph not const fregun Monnep: class Loggers mutable int loglount=0; pulic
voi é logMessage(string) consd s

log Count + +;

Enclude Lio Stream > # pragma warning (disable: 4996) bool is Small Letter (char d) return oh>= " a dd dhe= z; bool is Capital Letter (dar ch) { return ch>= 'A'dd de= 'Z'; God contains Only Smale Chars (const chart str) sizl-t len = Streen (str); for (size+ 1=0) i < &&n ; i+x) if (!isSmall Letter (str [])) return false; seturn trul; constexpr int NAME_MAX_LEN=20; consterpr int NAME-MIN-LEN-2; Constexpr int AGE-MIN-S, Constexpr int AGE-MAX=90;

Student . Cpp

class Student Char name [NAME -MAX_LEN +1]="Unknown"; int age = AGE_MIN; bool is Valid Age (int age)

(1) return age >= AGE_MIN Ad age <= AGE_NAN, bool is Valid Name (const dar name) if (name == nullptr) return false; Size-+ nameLen=5tflen (name); if (name Len 2 = NAME-MIN_LEN/name Len)= return false; · fl. 35 (apitalle Herl *name) return false return containsOnly Small Chars/hame +1); public: Student () = default; Student (const dar name, int age) 2 set Name (name); setAge(age); int get Agel) const

const char get Name () const return name; Set Name (const char name) if (is Valid Name (name)) Stropy (this -> name, name); else stropy (this >> name, "Unknown"); void set Agelint age) if (isValid Age/age)) this > age = agki this rage = MIN-AGE; int main () 9 Student s("Tran, 33);

Student. GPD