* Exception Handling:

- -> For early meleonizmos, ver. No handle editic, you do sonland
- Hapy potn ve unhappy poth birbirmos temiz bir sekilde ayrılmış
- -> Hotogi Riegen bod sie, Notogi handle eath kod crosinda doguden bir link wordin.

- Exception throwing:

- . Fonksiyan istni yopomodiginda bir nesne Olusturur. Bu nesnenin wasik nedeni visini yipomodigini, alaha ost kotmandoki kodiqua birdirmok.
 - · Bu nerneys yoldlogen kod muddhale edar
 - · Bondesium hata ya yalalanmali, yo da layrak laybi yasamada program sanlanmali. (resumptive / terminative)

- Try Block:

. Try Block da block-scape knollerna tobi. (Otomotik omotic nesneler, block san hoget biter)

- Colon:

```
try {

///
}

catch(int) {

///
}

catch(double) {

///

horder'a grer
}

catch(unsigned int) {

////
}
```

-> gift paremeter sie coten youtman

elipsis (...) ne type goodinatorian colon colon,

- Set - terminete function:

```
// using terminate_handler = void (*)();
typedef void (*terminate_handler)();
```

terminat_handler set_terminate(terminate_handler);

```
void necfunc()
{
    std::cout << "necfunc cagrildi cunku necfunc islevini std::terminate cagirdi\n";
    std::exit(EXIT_FAILURE);
}
int main()
{
    set_terminate(&necfunc);
    std::cout << "main cagrildi\n";
    f1();
    std::cout << "main sona erdi\n";
}</pre>
```

- = terminate do fait olare obort "u aquir.
- biz set-termnetère bir anusign adness versiser abort yeire ofme cognilir.
- deger, nectice advers the more legislims for addr.

```
Sinde columner X. Ayrı tor olmalı.

Sinde columner X. Ayrı tor olmalı.
```

- Colon prometreniz, base relevance oldzanda

hem bose, hem derned class ref colon editir.

```
catch(std::exception &ex)

{

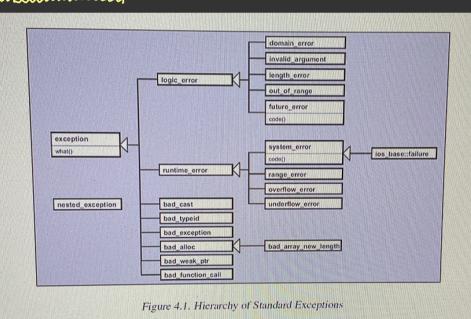
std::cout << ex.what() << "\n";
}

std::exception

Toerrande unital foc.
```

Forkin overloodlars

* Exception liyerer sigt:



```
pint main()
{
    try {
        func();
    }
    catch (const std::exception& ex) {
    //catch (const std::logic_error& ex) {
        //catch (const std::out_of_range& ex) {
            std::cout << "exception caught: " << ex.what() << '\n';
        }
}</pre>
```

Bu to coten blogu, ogni exception'i goldlagbolir.

Conlut

Out of range —> logic err —> exception hyereric?

Ver.

- * Forcet burada switen case gibt, en baten en sona terestrat groter. Bu gozdan en ballen genelle degre bit stralema uppulmat
- Hemen the zoman, throw sladoles, opores nesse, obstac gibs class common

```
void func()
{

BadDate bd;

throw bd;

throw etmez X
}
```

+> Derlegiotaria Bod Dele sinifi torondon bis hata nesneci oliqturnosi scin Bod Dole in capy anskuatorina costi approch.

```
void func()
{
    throw std::bad_alloc{};
}
```

*Cosch blogunda ne yapacogini bilmiya san -> yalalama

- * layres, coton blogu vermen. -> eall idyannoon / destructor se layrellusins. 1812, bu destructor, cogumen, governienellys.
- # Exception translate: Exception yoldenin, book releasier yepilar yo do gopilarez, foldo an class to onder degit, kendir sectionine

* Exception lethrows - Yolulanes exception, lends torondo exception syndems.

```
try {

try {

catch (const std::exception& ex) {

//...
throw; ] his bir closs belirhilmesse,
}

rethrow editir. Syntex &u selvide
}
```

Forot long chirona

```
catch (const std::exception& ek) {
//...
throw ex;
Bu rethrow desil!
```