```
Dynamic Cost Down: - Dynamic cost, referencia geptimenati. Conta null ptr var ama null ref got ]

- Eger dewncost, baseing also ted (to) enception work.

- Type id operatorism trettige deger is not type into olan ber sout toronder const references.

(std nameyee)

- type into toronder class, biz distremays. Conta defailt constructers yok. Copy claric de deteled

- tet you - type it killenmote.

int ival{};

const std::type_info& x = typeid(ival);
```

Type id ikr schilde bellender: 1. operand bir tor / class / primative oldsiri.

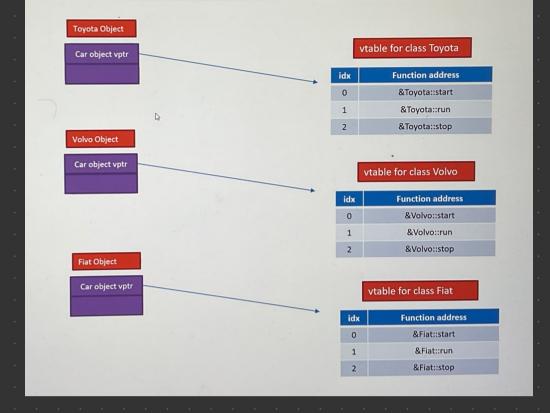
2. operand bir expression oldsiri.

```
#Hatvletme: Un evaluated Context:
- Declegation islam took oretments tooglam
Bunks store of, declype, type-td
```

- Bose doss pormorfile destise, type id hop bose chest above, test pormorfiles, rentine do, type id destriber accord

```
pint main()
{
    for (int i = 0; i < 100; ++i) {
        Car* carptr = create_random_car();
        std::cout << *carptr;
        std::cout << typeid(*carptr).name() << "\n";
    }
}</pre>
```

```
evoid car_game(Car& cr)
                                std::cout << cr << "\n";
                                cr.start();
                                                                                                                                         by h bit ref / yo do desel fornier operand
                                cr.run();
                                 if (typeid(cr) == typeid(Volvo)) {
                                                           static_cast<Volvo&>(cr).open_sunroof(); >> ** Static_cast<Volvo&>(cr
                                                                                                                                                                                                                                                                                                       conto, att by Ifin
                                                                                                                                                                                                                                                                                                      restring value older
                                cr.stop();
 □int main()
                                 for (int i = 0; i < 100; ++i) {
                                                        Car* p = create_random_car();
                                                          car_game(& cr:*p);
                                                          getchar();
                                                         delete p;
```



* Moltiple Innertonce:

- Birden farla topon sinif he derive editer snifter.

```
Class B {

Class B {

Class C : public A, public B {

Class C : public A, public B {
```

```
Her C by Ady, Her C by Bay.

Constructor cogynuma arost, proteste betysilent

Sira, once A source B

class C: public A, public B {

public:

C(): B(), A(),

{
}
};
```

A or b complete type drioh

```
class A {
public:
      void foo(int, int);
                   D void Actuating into
                   Search Online
                   Function Selimeten for 100 not found.
Show potential fixes (Ak+Enter or Ctrl+.)
 class B {
 public:
        virtual foo(int);
  };
   class C : public A, public B {
   public:
   13;
     int main()
      {
            C cx;
            (x.foo(1, 2); Ambiguity,
```

```
Inhert edilen tom classica believe.

There edilen tom classica believe.

Buyorden The base class in again tems to sugar well-like.

Sanip olmanoli

Cox;

cx.A::foo(1, 2);

cx.B::foo(1);|

httmain()

(

B::foo(12);

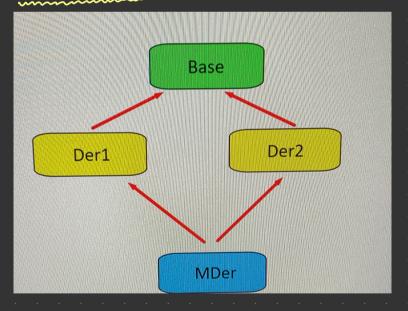
A::foo(3, 5);

static_cast(A*)(this)->foo(3, 4);

static_cast(B*)(this)->foo(12);|

}
```

Dromand Formation:



```
class Der1 : virtual public Base {

Tet br
base
class Der2 : virtual public Base {

class Der2 : virtual public Base {

garantiend:

};

class MDer : public Der1, public Der2{

};
```

_ Tostream sinifi bina bir briet. - garetirse ac bir obta tinevle

broda MDer, ihr han Bose innerst einst oldu

```
Virtual innerfered whitzen tends base class unix insteadabilitie. -> Indicat base class init
```