```
* Aggragate:
                      Britisty Totler
  * Non static data memberlarini degritan kullanma acan siniflar l Data haring yokil
 · Stal:: strong bit. aggragate. degil! Ama strong. doi the aggragate!
 + Aggragate Olma Koziller: 1. User declared constructor
                        estruct Point {
    Point() = default;
                                                 - Bu user declared ctor !
                                                 user defined ctor degill
                     2. Tom elementer public olmelil
                       struct Nec {
                           int x, y;
                                                  cop 17 - type-trafts betightenence
                        private:
                            int z;
                       pint main()
                            static_assert(std::is_aggregate_v<Nec>, "not an aggregate");
                     struct Nec {
                                                                               Nec bir aggragate. Aggragate amosi 1500, cleanilleinin da ggregate
                             int x, y;
                                                                                Omosi GELEKMEZ | Sorbre public olmoli)
                             std::string str;
                      class A {
                      public:
                          A(int);
                           A(double);
                                           buna de inhermed
                       struct Nec : A {
   using A::A;
                           int x, y;
                     3. Aggragatelius, reforms elementar olabilis / Member Functionlies olabilis .
                                                            class Nec {
                       struct Nec {
                                                             public:
                                                                                                    barge addresses
                              int x, y;
                                                                   int x, y;
                              int &r1;
                                                                   int bar();
                              int &&r2;
                                                             private:
                                                                    int foo();
                                                              protected:
                                                                    int baz();
                                                              3;
                     4. Urtual Function. virsa, Assroyale OlemozX
```

5. Statile I Inline static clamatern almost, Aggregate almost 602mA2 V

```
struct Point {
                                                  Kime prontest the Tik degre vertice
          int mx, my,
                            mz;
   3;
     int main()
           Point p1 = \{1, 3, \}
                                                              Diget aggregate typecado do oddiju gru, gar bu inst listk
     struct Erg {
          int a, b;
                                                               belistmessely, belistingen. Diseler value instrained
     struct Nec {
          int x;
           Erg e;
           int ar[3];
 2 3 4
     3;
 5
                                        garin 1
 7
      int main()
 8
      {
           Nec mynec {10, 5, 7, 1, 3, 9};
  19
 20
+Cop 70 he Aggragatelor:
                                 aggragate high boshyarab. Simuli
 - Cop 20 AL Designated Infiniteer
                                            + C99 Designated Inst:
                                             int main()
           Cgg da davadi
                                                            5126= B
                                             {
```

```
int a[] = \{[7] = 4, [3] = 9\};
    Ancor En boyck Fork CSS don
                                                                           strok ypona zornilugu gok!
    Arregler rom de Des, last. Syntex Goralil
Cop 20 Designated Institution kurallers:
                                        = killimm designated instrative in dictioner, our da our objesse da
                                         Tim ogence dejer verment zarnob deglit. Deget yourse value sost
                                         Inst edicken sira bowlemoz) Brussim. srassyla dego:
```

Stelly ver exementaring designated init file till deservante

```
struct Time {
     int min;
     int hour;
struct Date {
     int year;
      int month;
      int day;
      Time time;
      static int hmode;
3;
  int main()
       Date d2 = { .year = 1998, .month = 3, };
       Date d3 = { 3, .year = 1998 };
// invalid - mix init
       Date d4 = { .time.min = 25;
//invalid. Nested member access is not allowed.};
        Date d5 = {.time = {32, 4} }; // valid
```

+ Dragnated Institution as Between voice:

```
struct Person{
   int id;
   std::string name{"John Doe"};
   int age;
};

Person get_person()
{
   //code
   //return Person {.id = 7562, .name = "mustafa aksoy", .age = 27};
   return {.id = 7562, .name = "mustafa aksoy", .age = 27};
}
```

* Aggragate tuton Contenentar in Damprated Instrainer in Dogs almost: