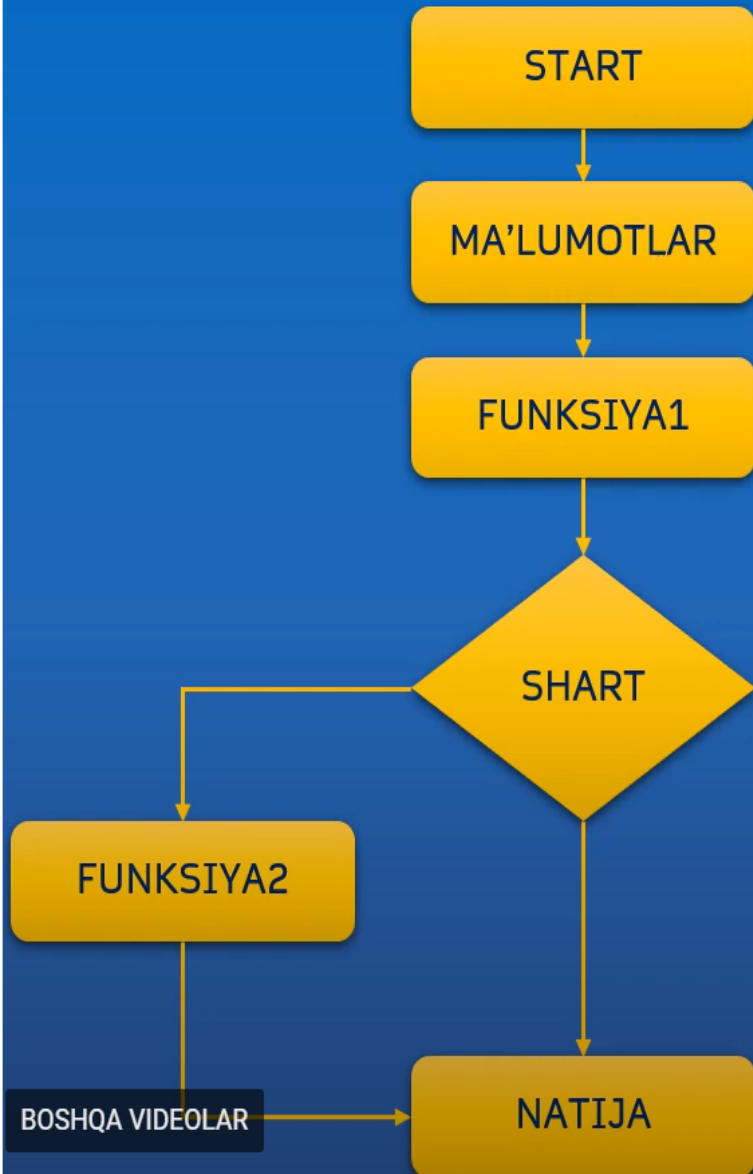
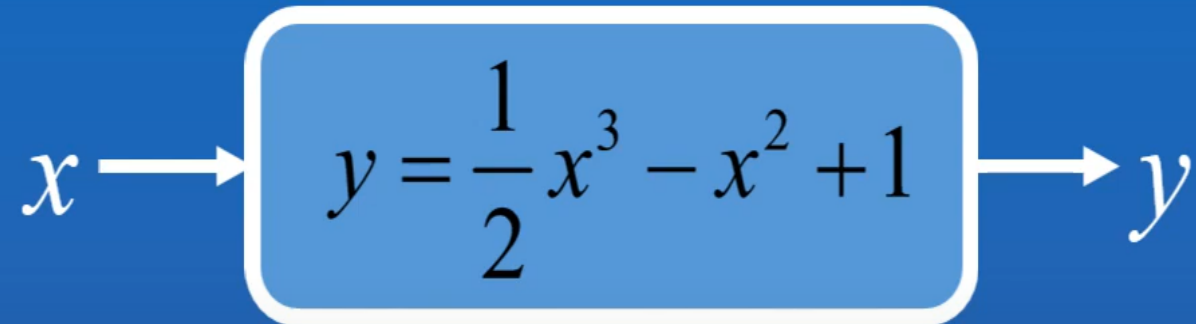


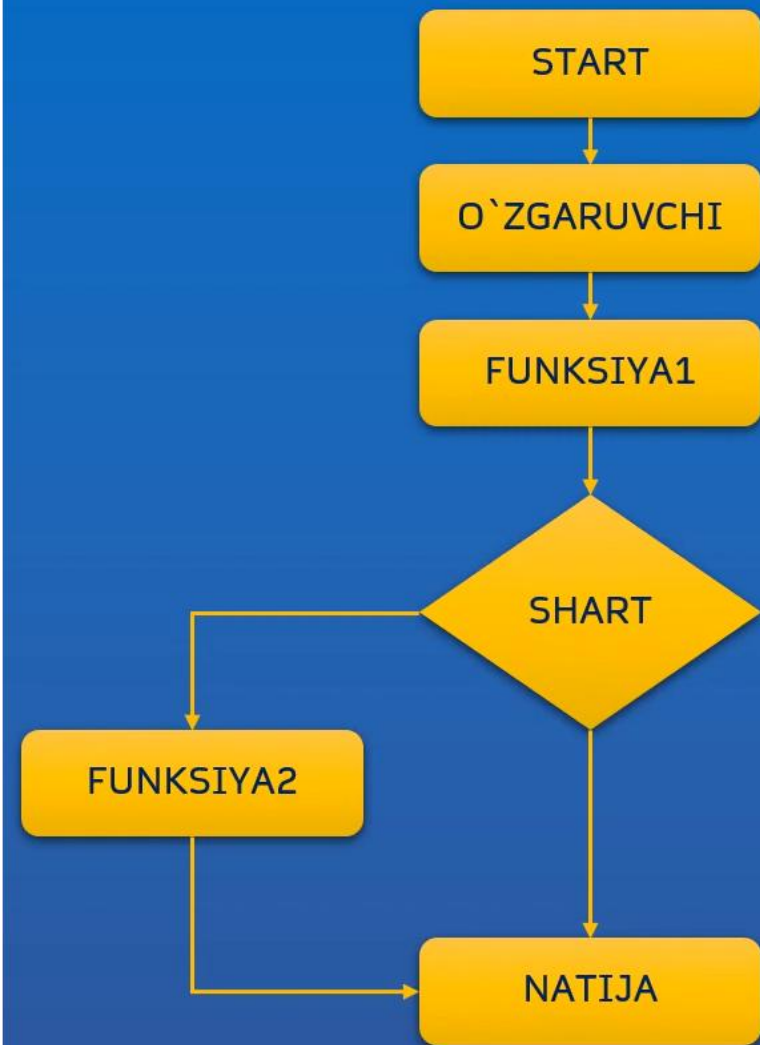
CHIZIQLI (TARTIBLI) DASTURLAR



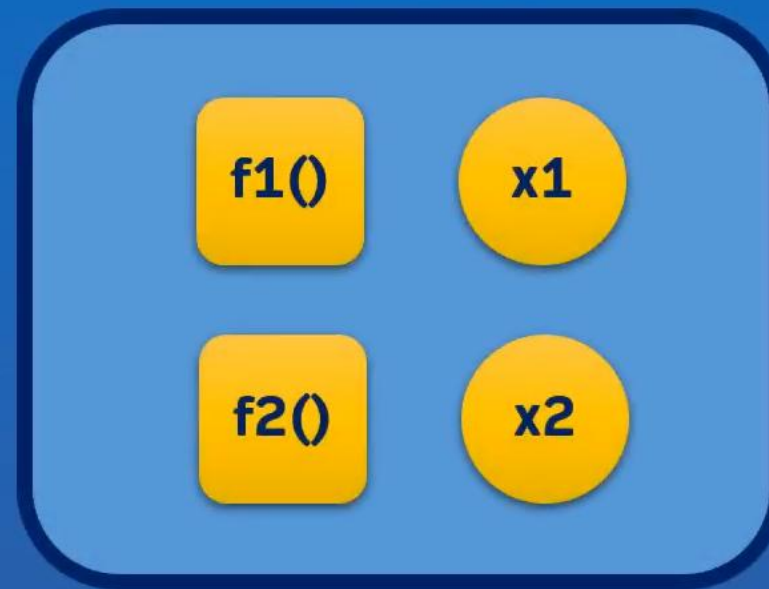
KLASSIK DASTURLAR



CHIZIQLI (TARTIBLI) DASTURLAR

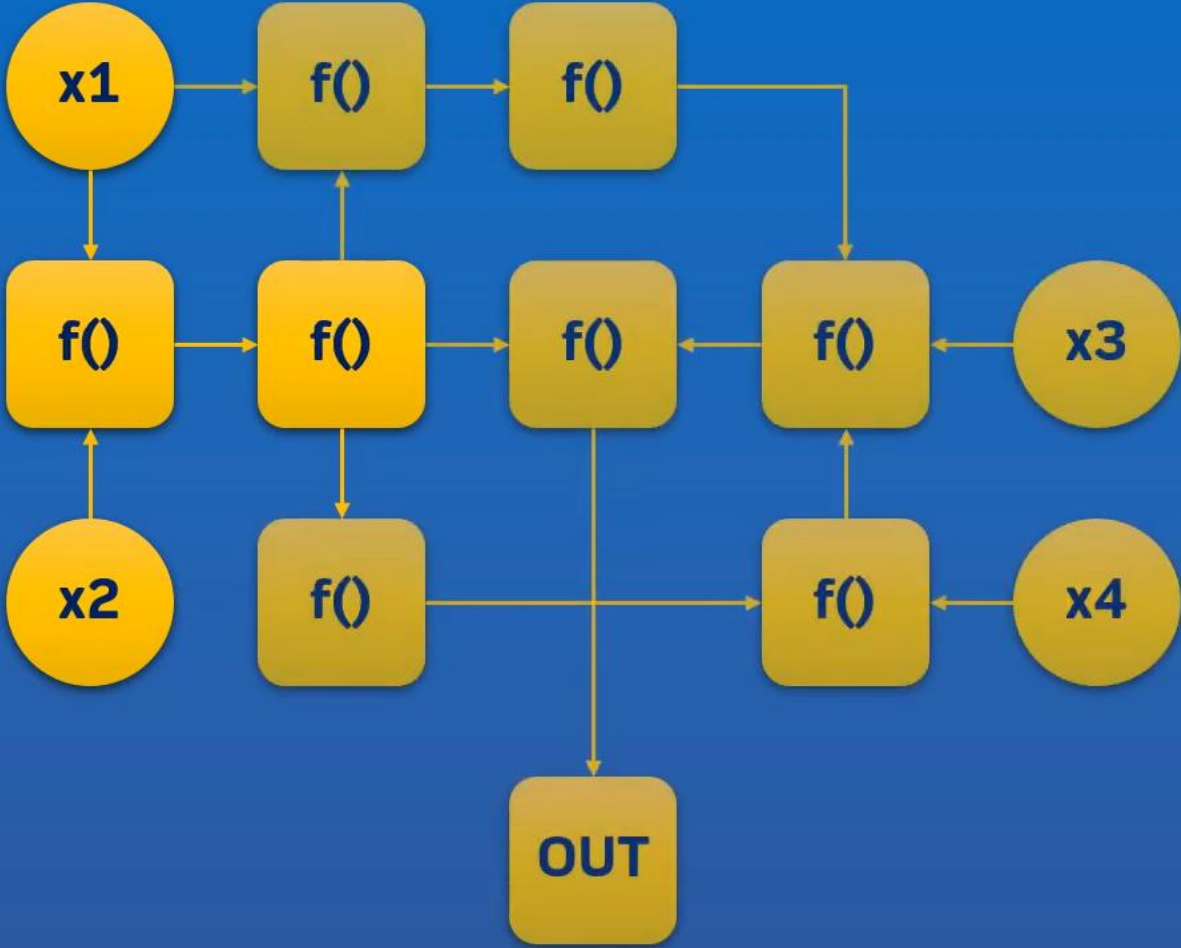
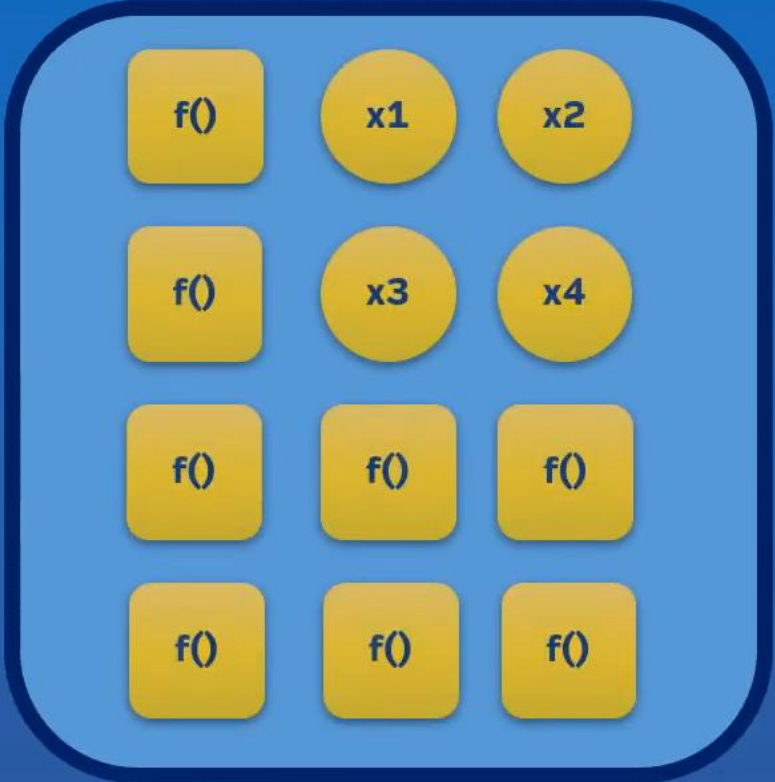


DASTUR



CHIZIQLI (TARTIBLI) DASTURLAR

DASTUR



CHIZIQLI (TARTIBLI) DASTURLAR

AFZALLIKLARI

- Dasturlashni o'rganish uchun qulay
- Sodda va tushunarli kod
- Dastur algoritmini kuzatish oson
- Dastur xotirada kamroq joy egallaydi

KAMCHILIKLARI

- Murakkab dasturlarni chziqili usulda yozish qiyin (ilojsiz)
- Bir dastur uchun yozilgan koddan boshqa dasturda qayta foydalanib bo'lmaydi
- Dastur ichidagi ma'lumotlar (o'zgaruvchilar) barcha funksiyalar uchun ochiq
- ZAMONAVIY DASTURLAR CHIZIQLI EMAS

OBJECT ORIENTED PROGRAMMING



OBJECT ORIENTED PROGRAMMING

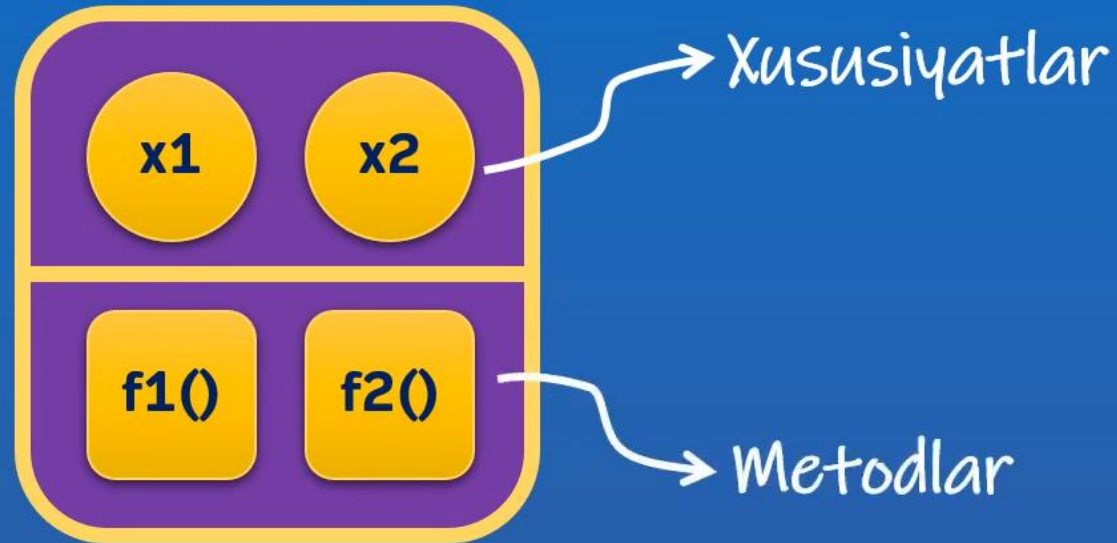
OBJEKT1



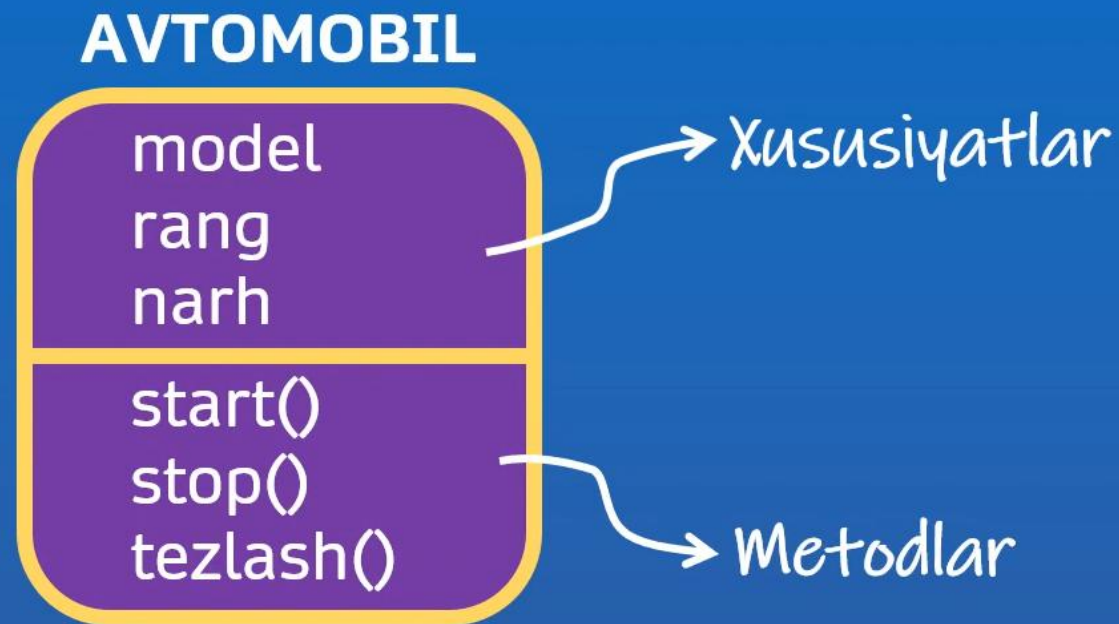
OBJEKT2



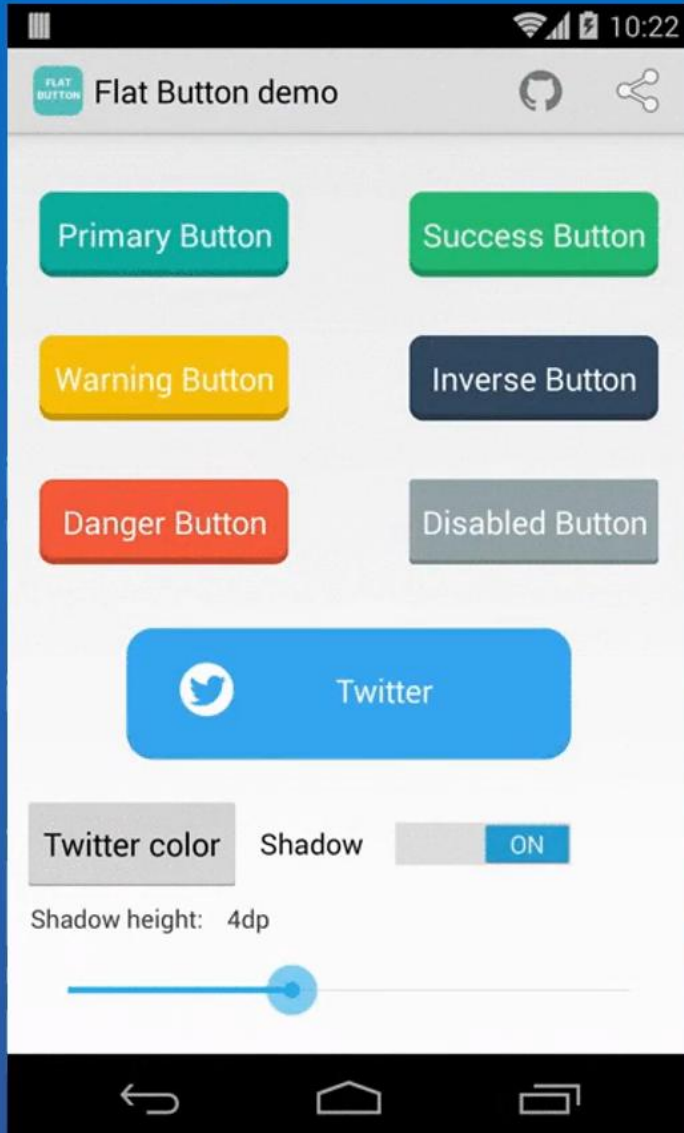
OBJEKT3



OBJECT ORIENTED PROGRAMMING



OBJECT ORIENTED PROGRAMMING



TUGMA

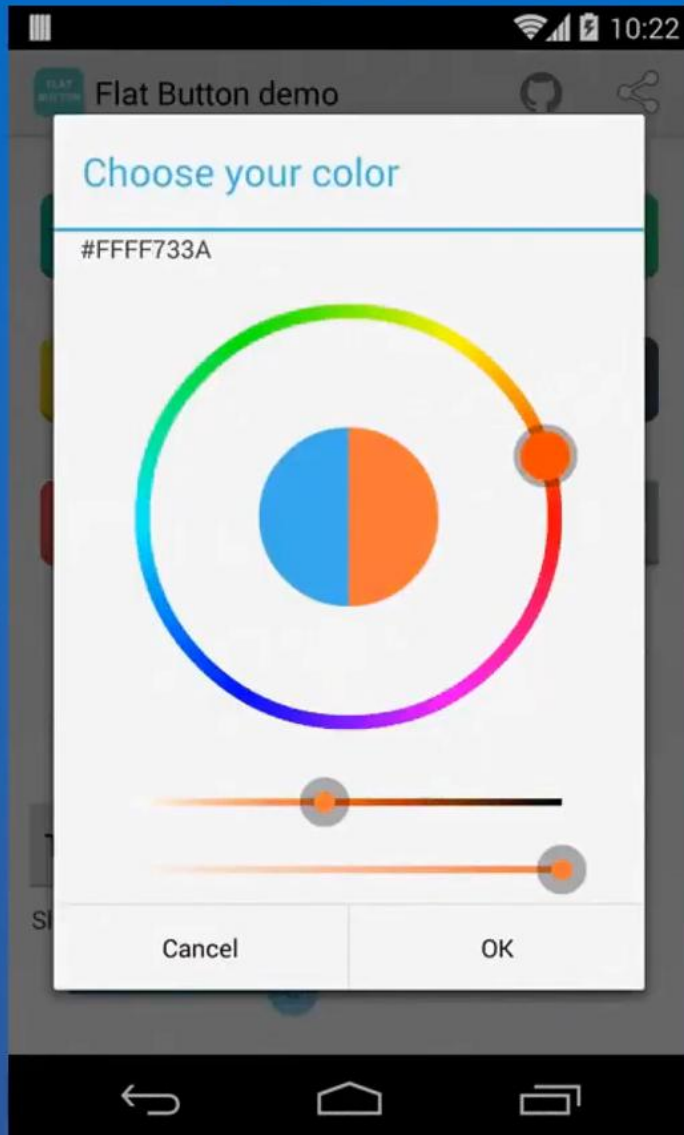
shakl
rang
matn

Xususiyatlar

onClick()
onHover()
longPress()

Metodlar

OBJECT ORIENTED PROGRAMMING



TUGMA

shakl
rang
matn

→ Xususiyatlar

onClick()
onHover()
longPress()

→ Metodlar

OBJECT ORIENTED PROGRAMMING



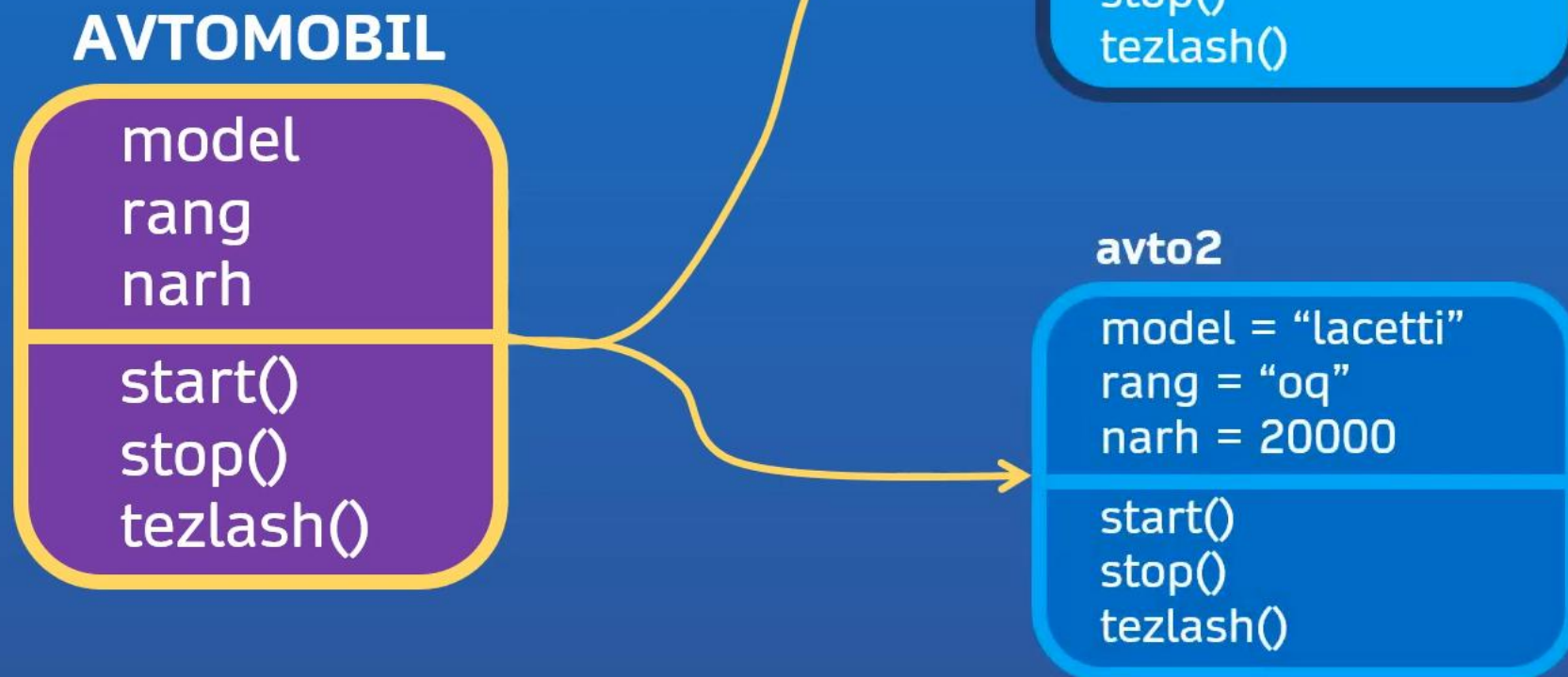
KLASS VA OBYEKT

CLASS & OBJECT

KLASS VA OBYEKT

CLASS & OBJECT

Klass – obyekt yaratish uchun shablon



KLASS VA OBYEKT

CLASS & OBJECT

Klasslar bizga obyektlarni yaratishni
yengillashtiradi

Squared Buttons



Rounded Buttons



Squared Stroked Buttons



Toggle Buttons



CLASS & OBJECT

Klasslar bizga obyektlni yaratishni yengillashtiradi

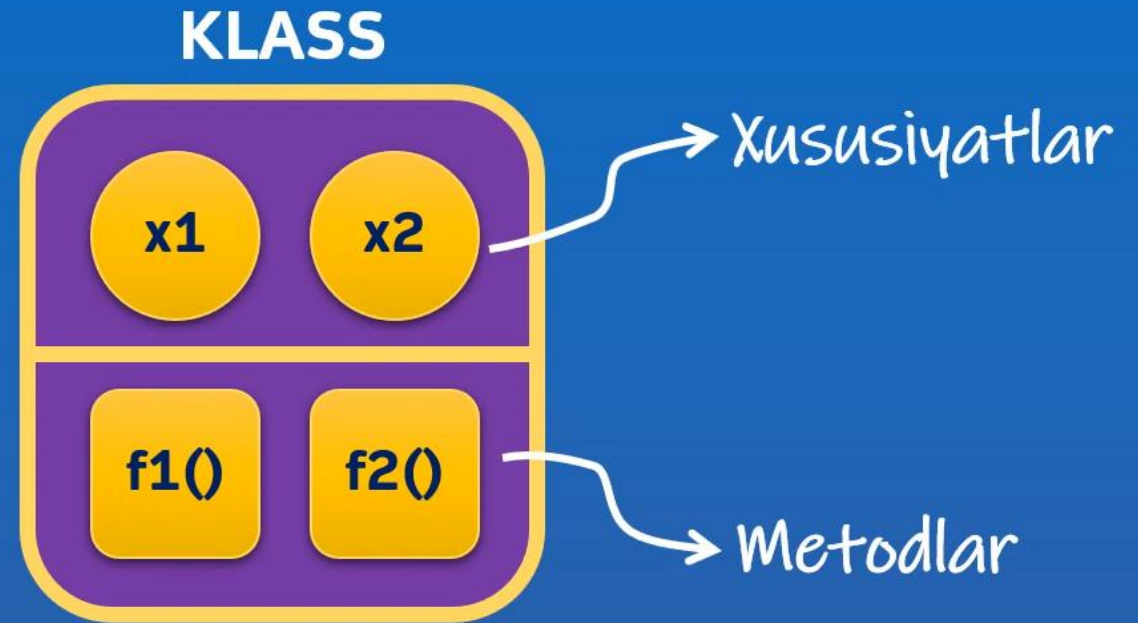


OOP TAMOYILLARI

OOP PRINCIPLES

INKAPSULYATSIYA

ENCAPSULATION

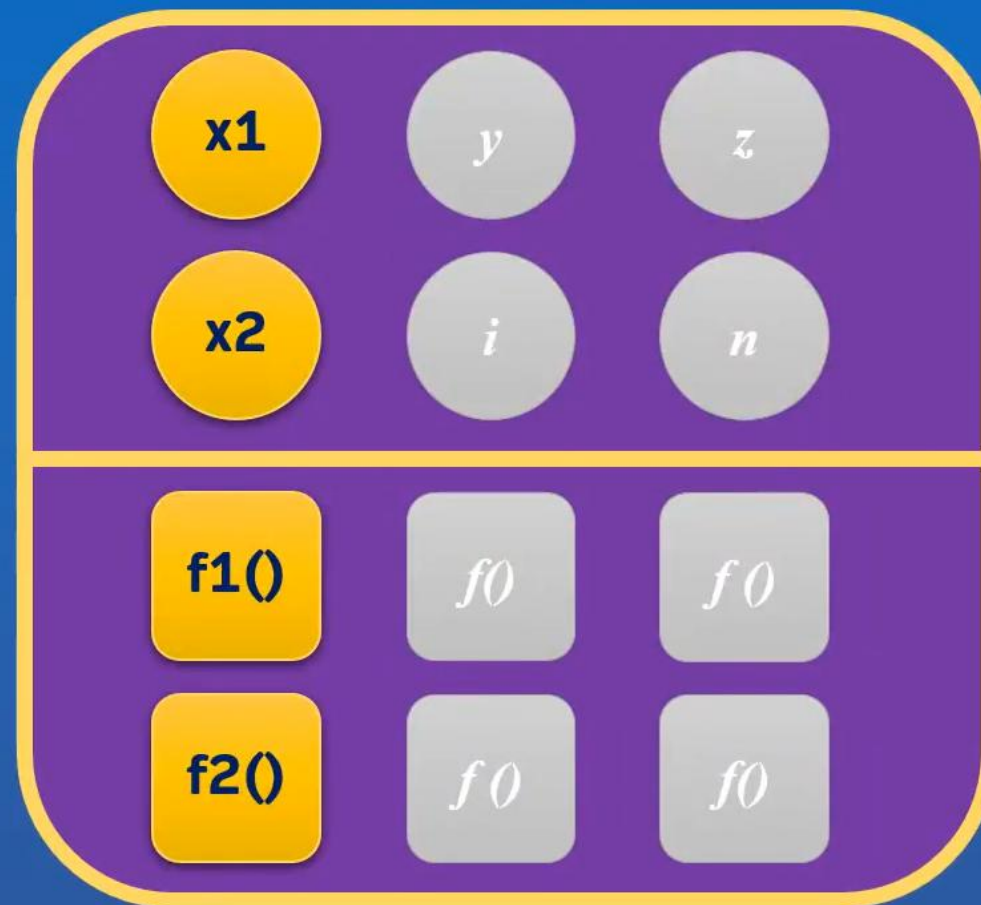


ABSTRAKTSIYA

ABSTRACTION

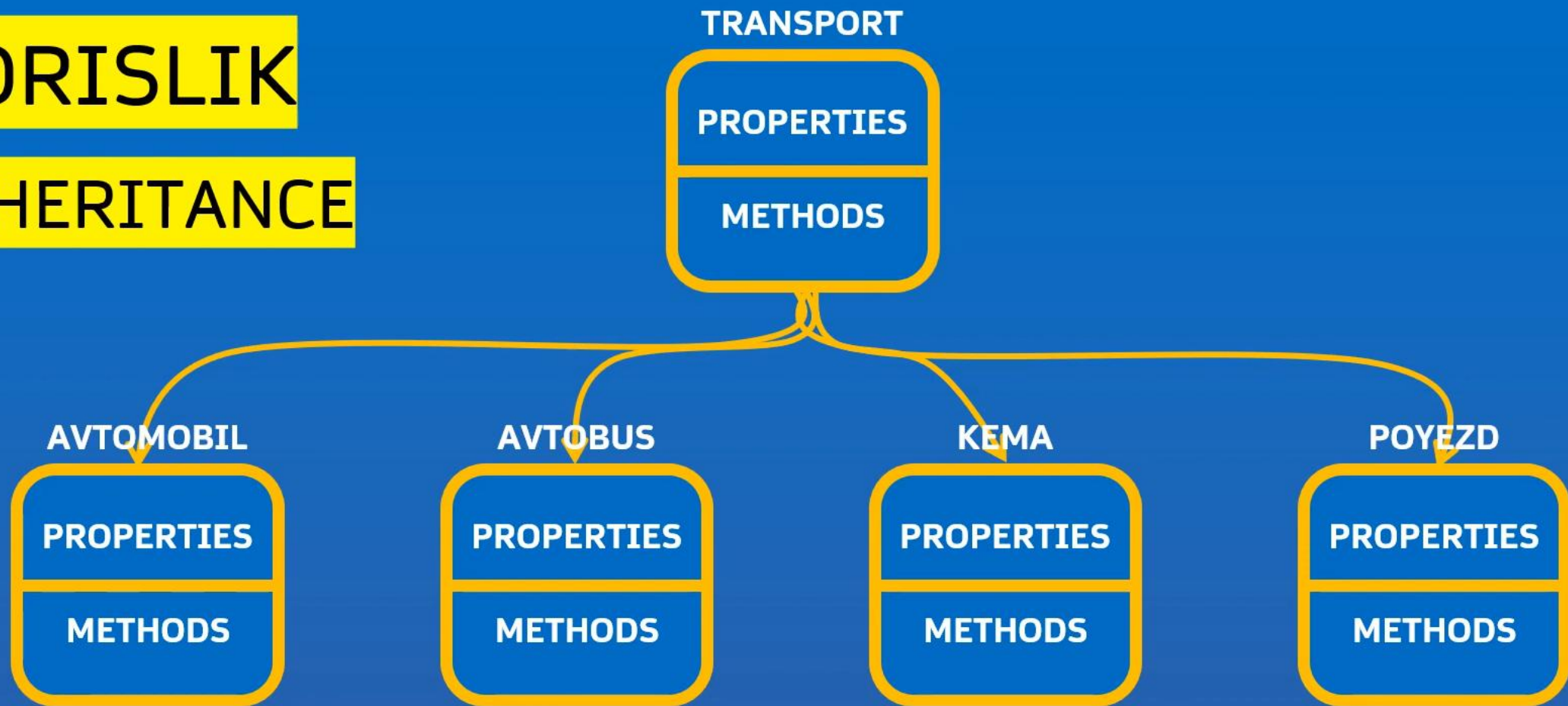
Klassning ichki tuzilishi va qanday ishlashini yashirish

KLASS



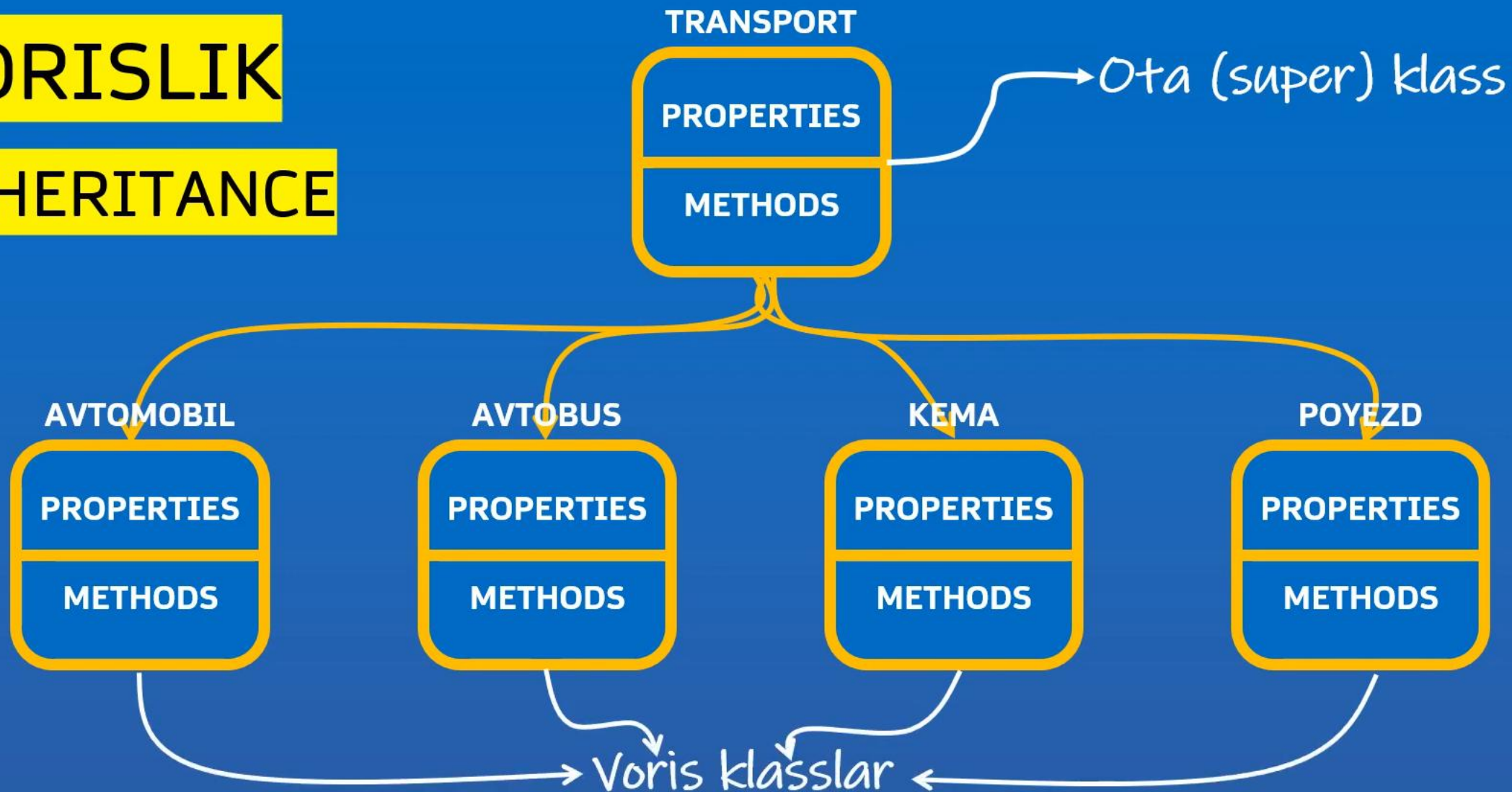
VORISLIK

INHERITANCE



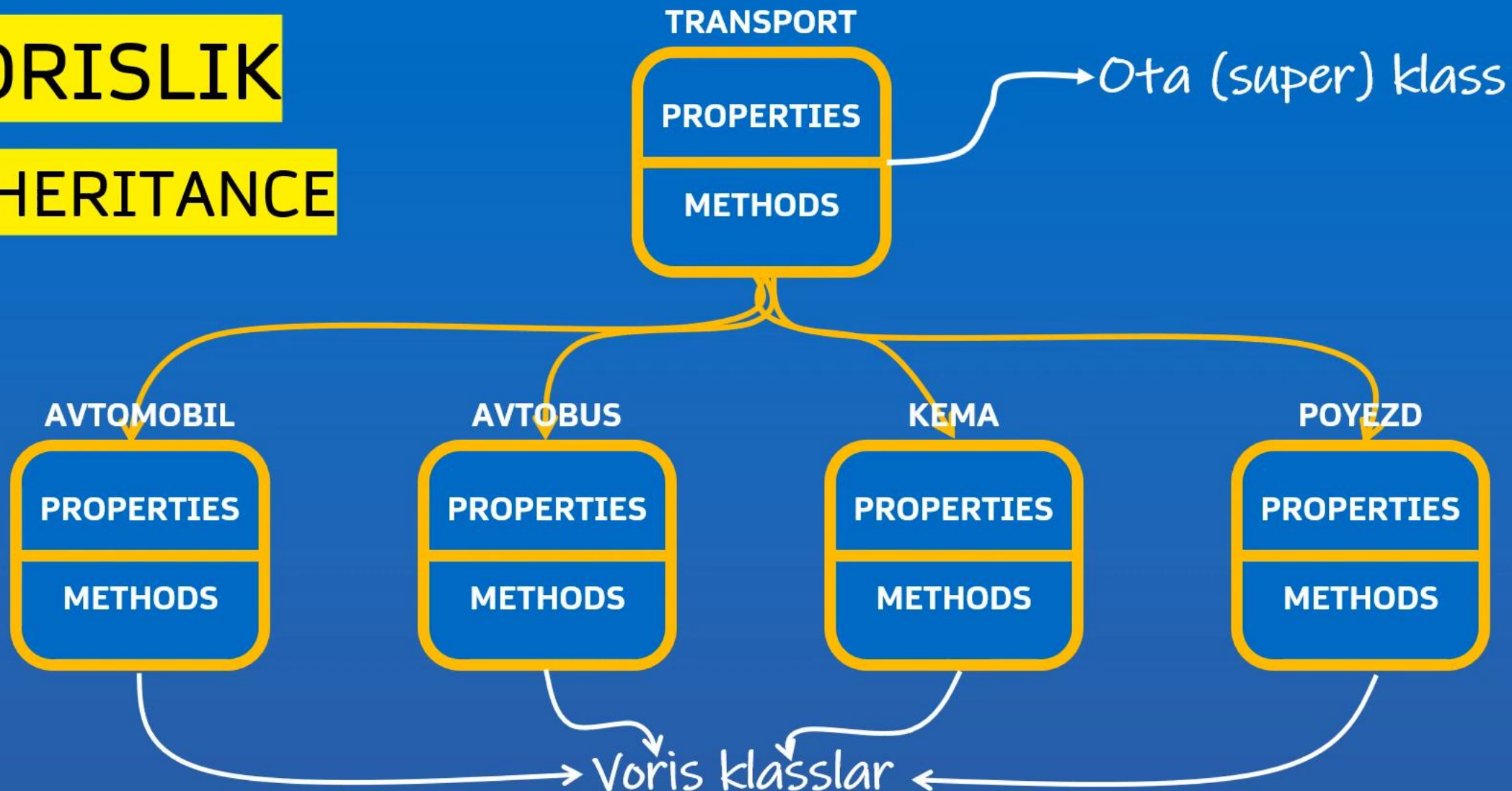
VORISLIK

INHERITANCE



VORISLIK

INHERITANCE



Voris klasslar ota klassning ba'zi (yoki barcha) xususiyatlari va metodlarini meros qilib oladilar

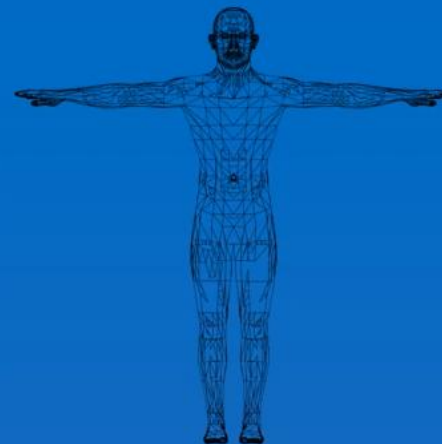
POLIMORFIZM

POLYMORPHISM

QAHRAMON

PROPERTIES

`attack()`



Voris klass super klassdan o'zlashtirilgan metodning nomini saqlagan holda, uning ishlashini o'zgartirishiga polimorfizm deyiladi

OBJECT ORIENTED PROGRAMMING

AFZALLIKLARI

- Parallel dasturlash – bir loyihaning turli qismlari bir vaqtda yaratilishi mumkin
- Vorislik tamoyili klasslardan qayta foydalanish imkonini beradi
- Polimorfizm tamoyili klasslarni moslashuvchan qiladi
- Klasslardan boshqa dastur va loyihalarda qayta-qayta foydalanish mumkin

KAMCHILIKLARI

- Dasturlashga yangi qadam qo'yganlar uchun biroz tushunarsiz
- Har doim ham samarali emas
- Ba'zida dasturimizni haddan tashqari murakkablashtirib yuborishi mumkin