

Android studio dasturida bir sanoq tizimdan ikkinchi sanoq tizimga o'tish mobil ilovasini yaratish

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ANNOTATSIYA

Bugungi kunda samarali ta'lim-tarbiya berishning zamonaviy usullarini yaratish yetakchi masalalardan biriga aylangan. Zamonaviy ta'lim berishda multimedia mahsulotlari, elektron ishlanmalarning o'rni beqiyosdir.

Shunday ekan, sanoq sistemalarini turli sanoq sistemalariga o'tkazish algoritmlarini o'rganish uchun Android studio dasturidan foydalanib, maxsus ilova yaratish va undan foydalanish jarayoni amalga oshirilgan.

Создайте мобильное приложение для переключения с одной системы счисления на другую в приложении Android studio

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АННОТАЦИЯ

Сегодня одним из ведущих вопросов стало создание современных методов эффективного обучения и воспитания. Роль мультимедийных продуктов, электронных разработок в современном образовании неопределима. Таким образом, процесс создания и использования специального приложения был реализован с использованием приложения Android studio для изучения алгоритмов преобразования систем счисления в различные системы счисления.

Creating a mobile application to switch from one number system to another in the Android studio application

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ANNOTATION

Today, the development of modern methods of effective education has become one of the leading issues. The role of multimedia products and electronic developments in modern education is invaluable.

Therefore, a special application was created and used using the Android studio application to study the algorithms for converting number systems to different number systems.

Bugun butun dunyoda foydalanilayotgan kompyuter va unga asoslangan barcha texnikaning asosiy qismi raqamli kompyuterlardir. Yarim o'tkazgichlardan yasaladigan tranzistorlar, mantiqiy elementlar, triggerlar va mikroprotessorlar ularning texnik asosini tashkil etsa, sanoq sistemalari va ular ustida bajariladigan arifmetik hamda mantiqiy amallar matematik asosni tashkil etadi.

Ilm-fan va sanoat rivojlanishi bilan mikro darajadan nano darajaga o'tish mumkin, ammo ularning matematik asosi bo'lgan sanoq sistemalari o'z ahamiyatini saqlab qolaveradi.

Shuning uchun quyidagi ko'rinishdagi mobil ilovani yaratdik



Bu mobil ilova sanoq sistemalari bilan ishlashga juda ham katta yordam beradi. Yani bunda CONVERTOR,KALKULYATOR,CONVERTATSIYA JADVALI kabi bo'limlari bor.CONVERTOR bo'limida sonlarni bir sanoq sistemasidan ikkinchi sanoq sistemasiga o'tkazishimiz mumkin.Bu bo'limda 2 lik, 8 lik, 10 lik , 16 lik kabi asosiy sanoq sistemalri bilan ishlash joylashtirilgan.

CONVERTER Bo'limining ko'rinishi



The screenshot shows a mobile application interface for converting numbers between different numeral systems. The interface is titled "Sanoq sistemalarini convertatsiya..." and features a text input field labeled "Sonni kiriting" with a "Paste" option. Below the input field are two buttons: "Decimal" and "Binary", with a double-headed arrow between them. A "CONVERT" button is positioned below these. Underneath is a result field labeled "Natija" with a clipboard icon. At the bottom is a numeric keypad with buttons for digits 0-9, letters A-D, and function keys E, F, CLR, and a backspace key. Red arrows point from explanatory text to various parts of the interface.

Bu yerga sonni kiritamiz

Bu yerda qaysi sanoq Sistemasiida ekanligini tanlaymiz

Natija olish uchun shu Tugmachani bosamiz

Bu yerda qaysi sanoq sistemasiga o'tkazmoqchiligimizni tanlaymiz

Bu yerda natija chiqadi

Decimal – O'nlik

Binary – Ikkilik

Octal – Sakkizlik

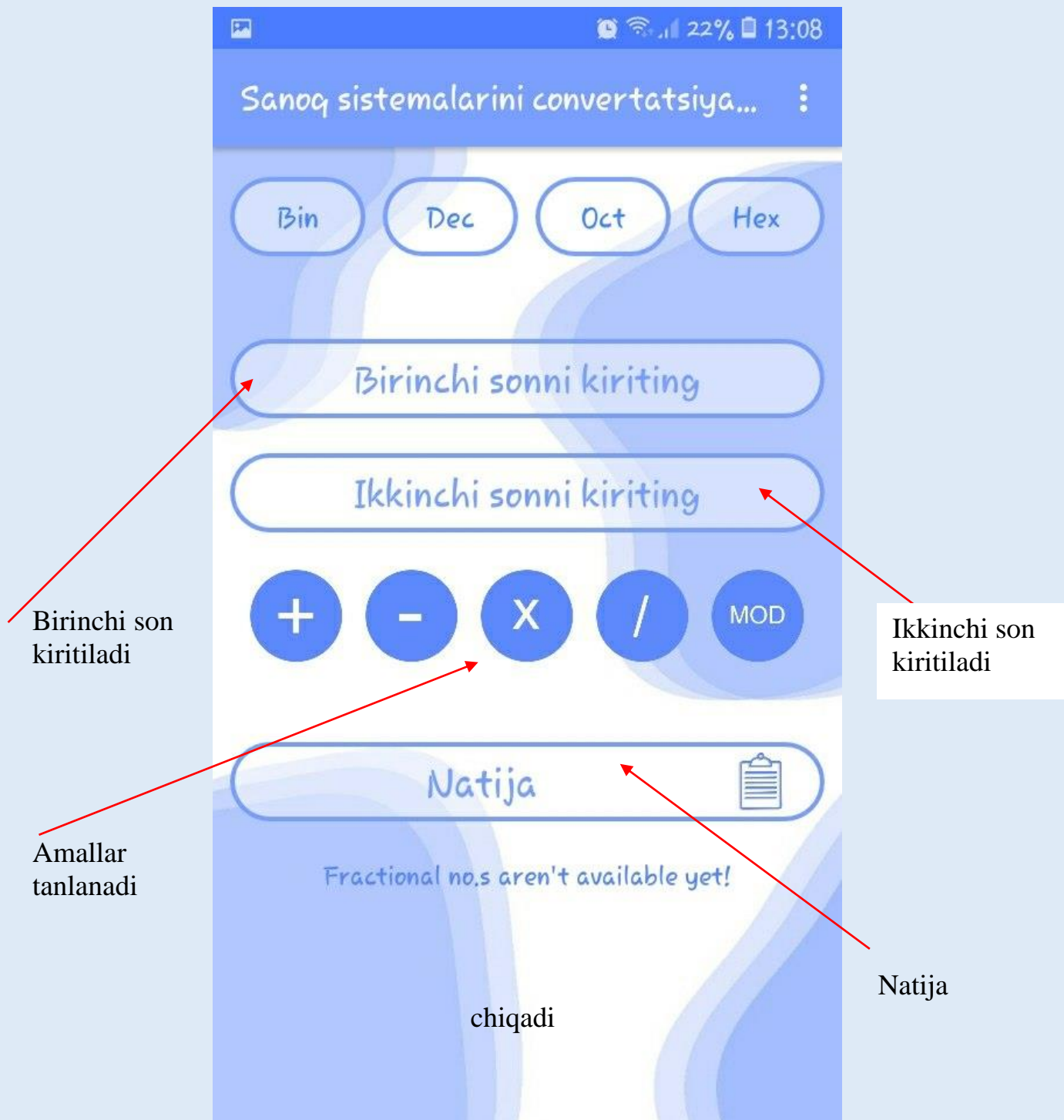
Hexadecimal – O'noltilik

Masalan o'nlik sanoq sistemasidagi 56 sonini 2 lik sanoq sistemasiga o'tkazsak



Natija shu ko'rinishda chiqadi

KALKULYATOR Bo'limining ko'rinishi



Dec – O'nlik

Bin – Ikkilik

+ -- qo'shish amali

- -- ayirish amali

MOD - qoldiq olish amali

Oct – Sakkizlik

Hex – O'noltilik

x - ko'paytirish amali

/ - bo'lish amali

Masalan 45 va 20 sonlarini 16 lik sanoq sistemasida ko'paytirsak



Natija shu ko'rinishda bo'ladi.

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