



TOP NEWS IN TECH

Google unveils Android 10 and it is not named after dessert

Dhruv Shah
Core Committee member

Google has given every major Android update a dessert codename but now that tradition is broken. Android Q won't be named upon past updates rather it will be named Android 10 and that's the official name. The tradition of naming its releases on desserts was launched on April 27, 2009 and it continued till Pie which was launched on August 6, 2018.

Google is updating the Android brand as a whole. It has changed the logo where the new logo uses a black font instead of green. This is a small change but google found that green was difficult to read, especially for people with visual impairments.

Google's actual reason for switching the naming, the global brand ambassador for android says that a dessert name with Q is hard, but rather that desserts aren't very inclusive. We have some good names, but in each and every case they leave a part of the world out. He then stated that Android is a global brand, used by more people in India and Brazil than in the US, so going with an English word for the dessert leaves some regions out. He even added that they received feedback that the names were not always understood by everyone in the global community.

The company explained that, "As a global operating system, it was important that these names were clear and relatable for everyone in the world. So, there next release of Android would simply use the version number and be called Android 10. We think this change helps make release names simpler and more intuitive for our global community. And while there were many tempting "Q" desserts out there, we thought that at version 10 and 2.5 billion active devices, it was time to make this change,"The company further added that, "When some people heard them say Android Lollipop out loud, it wasn't intuitively clear that it referred to the version after KitKat. It was even harder for new Android users, who were unfamiliar with the naming convention, to understand if their phone was running the latest version.

INTERVIEW Q & A

Q. Given an array A of N positive numbers. The task is to find the position where equilibrium first occurs in the array. Equilibrium position in an array is a position such that the sum of elements before it is equal to the sum of elements after it.

Input:
The first line of input contains an integer T, denoting the number of test cases. Then T test cases follow. First line of each test case contains an integer N denoting the size of the array. Then in the next line are N space separated values of the array A.

Output:
For each test case in a new line print the position at which the elements are at equilibrium if no equilibrium point exists print -1.

Constraints:
1 <= T <= 100
1 <= N <= 10⁶
1 <= A_i <= 10⁸

```
#include <iostream>
using namespace std;

long long a[1000000];
long long pre[1000000];
int main(){
    long long t;
    cin >> t;
    while(t--){
        long long n;
        cin >> n;

        long long sum = 0;
        for(long long i = 0;i<n;i++){
            cin >> a[i];
            sum+=a[i];
            pre[i] = sum;
        }
        long long sum2 = 0, ans = -1;

        for(long long i = n-1;i>=0;i--){
            sum2 += a[i];
            if(sum2 == pre[i]){
                ans = i+1;
            }
        }
        if(ans == 0){
            cout << "-1"<< endl;
        }
        else cout << ans << endl;
    }
    return 0;
}
```

#What's Trending

Top Programming Languages

- 1. Rust
- 2. Kotlin
- 3. Python
- 4. Typescript
- 5. Go
- 6. Swift
- 7. Javascript
- 8. C#
- 9. F#
- 10. SQL

Top Game Engines

- 1. Unity
- 2. Unreal Engine
- 3. Godot
- 4. CryEngine3
- 5. Amazon Lumberyard
- 6. libGDX
- 7. GameMaker Studio
- 8. RPG Maker
- 9. Cocos2D
- 10. HeroEngine

BLOG RECAP: Articles from our members

Journey to analytics transformation is a marathon, not a sprint.

Anmol Pant

Core Committee member

Analytics can be defined as the discovery, interpretation, elucidation and communication of meaningful patterns and trends in the data. In the contemporary, competitive world, companies find themselves trying to one up their counterparts by trying to process more data at a faster and more efficient rate. These organisations apply analytics to business data to describe, foresee and enhance business performance.

However, the bad news is that the growth of digital data has been stupendous over the last few decades and companies find themselves unable to keep up because of the scarcity of talent, expertise, professionals and strategic clarity on how to effectively deal with big data processing.

The problem arises not only because of lack of skilled workers but also because technology moves too fast. Larger cooperations are more likely to fall prey to this data silos. In layman terms, we are quite literally limited by the technology of our time with multinationals biting off more than they can chew.

The solution? Taking one step at a time and marching towards a long term goal instead of centering oneself and focussing ONLY on makeshift and short term alternatives. With tons of data being generated for centuries until this very second, demand for analytics professionals is the highest it has ever been. Big data analytics is a vital yet untapped field as data, as we all know, is useless if we lack the skill to process and derive insights from the same.

With more and more careers and opportunities coming up, it is our obligation to fully harness and utilise this resource called 'data'; doing which we are definitely in for the long haul.



Resources to help you out

This issues's domain:

Game Development

Top Websites to learn Game Development

1. Lazyfoo
2. Udemy
3. Coursera
4. Walkerboystudio
5. GameInstitute
6. CodeCombat
7. Udacity

Top Game-Making Tools

1. GameSalad
2. Stencyl
3. GameMaker: Studio
4. FlowLab
5. Sploder
6. ClickTeam Fusion 2.5
7. Construct 2

Did you Know ?

The English word for red panda is 'Firefox' which is where the browser gets its name from – this means the Firefox logo is actually a red panda, not a fox!

German army seeks computer enthusiasts

Rimjhim Singh

Core Committee member

Gamescom 2019, which ended on the 24th of August, witnessed an unusual presence of Bundeswehr, the German army. With a stand boasting a flight simulator and ultra-fast games, the army turned towards Gamescom in a bid to recruit potential soldiers who were enthusiastic enough not only in the field but also in the field of computers.

Nils Feldhoff, the army communications officer, stated that, "We are looking for people who specialize in information technology – those with a taste for computers are knocking at the right door." He also mentioned, "We have a clear educational mission: we strictly try to separate virtual games from reality by explaining to any interested young people that this is not a video game. If a gamer wants to become a soldier because he is interested in weapons, that's not a good argument."

With the rise in the need of cybersecurity and the need to change people's conception of obsolete equipment, the army came up with the campaign, "Center of Cyber Operations-the Cyber-force of the Bundeswehr". which included a series of computer themed posters and a keyboard-inspired logo in the colors of the German flag.

While the army's unusual stand was attracting the youngsters, there were some people, who chose to maintain a certain distance as they voiced their opinions over the recruitment campaign. "Frankly, the competent hackers here are not stupid enough to sit down with the military to show off their skills right next to... the intelligence services," said a visitor.

BLOG RECAP: Articles from our members

Speech pathologist Dan Phillips uses technology to teach kids with special needs

Rajat Sablok

Core Committee member

Technology and medicine have gone hand in hand for many years now. As technology continues to drive the pace of progress in biomedical research, the traditional line between engineering and medical science grows ever thinner. Dr. Daniel Phillips is the living testimony to the same.

Dan Phillips, speech pathologist and assistive technology specialist, has been working for 20 years on many different projects, devising tech-driven solutions for kids in special education. His latest and most remarkable work in this field is his app called Bitsboard. It includes dozens of highly engaging mini-games for all ages which help students learn in an easier and more effective way.

One of the app's many games is called Pop Quiz. It makes traditional multiple questions quizzes fun to play. Depending on the skills of the user, Pop Quiz will display anywhere from 2 to 6 possible answers for each question. Another game from the app is Bingo. It is the all-time favourite that kids never get tired of playing. Bingo can be played by up to four players. The first player to get either all tiles horizontally, vertically, or diagonally wins. The difference between the traditional game and the one in his app lies in the UI and UX part. The interactive user interface makes it easier for children to learn and understand things.

Dan believes that technology has become an equaliser in providing a more accessible learning platform for kids with special needs. Many of them are heavily reliant on non-verbal communication, if not have limited communication skills. This made him envision The Nika Project to take his work to the ground level around the world. However, Dan is wary of challenging traditional methods of teaching and thus works for its integration with modern technological advances for greater benefits.

The app is currently only available on iOS and he and his team are working to bring the app to Android and other platforms and make it more accessible to all. It is people like Dan who forge to create assistive technology for people in need and help make the world a better place.

One machine can do the
work of fifty ordinary
men. No machine can do
the work of one
extraordinary man.

- Elbert Hubbard

[/codechefvit](#)[/codechefvit](#)[/codechefvit](#)[/CodeChefVIT](#)