CP With Shibam

Day-28

A. Phoenix and Balance

```cpp
#include<bits/stdc++.h>

using namespace std;

int main(){

        int t;cin>>t;

        while(t--){

                int n;cin>>n;

                cout<<(1<<(n/2+1))-2<<endl;

        }

}
```

A. Mahmoud and Ehab and the even-odd game

```c
#include <stdio.h>


int main(){

        int n;

        scanf("%d",&n);

        if(n%2) puts("Ehab");

        else puts("Mahmoud");

}
```