

## CP With Shibam

### Day-2

#### A. Sum of Round Numbers

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

using namespace std;

int a[100];

int main()
{
    int n,i,j,k,p,x;
    cin>>n;
    for(i=1;i<=n;i++)
    {
        cin>>x;
        for(j=0,p=1;x;p*=10,x/=10)
            if(x%10)
                a[j++]=p*(x%10);
        cout<<j<<"\n";
        for(k=0;k<j;k++)
            cout<<a[k]<<" ";
        cout<<"\n";
    }
    return 0;
}
```

#### [A. Buy a Shovel](#)

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

using namespace std;

int main()

{

    int k,r,i;

    cin>>k>>r;

    for(i=1;i*k%10!=0 && i*k%10!=r;i++){

        cout<<i;

    }
```

#### [A. Restoring Three Numbers](#)

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

int main(){

    int a[4];

    std::cin>>a[0]>>a[1]>>a[2]>>a[3];

    std::sort(a,a+4);

    std::cout<<a[3]-a[2]<<" "<<a[3]-a[1]<<" "<<a[3]-a[0];

}
```