

# Minimum coins Indian Currency

Indian currency me hme coins diye hue h [1,2,5,10,20,50,100,500,1000] isse hme min number of coins nikalne h given a specific target.

We can use greedy in this problem because sum of any two previous number is less than the current number thus we can use greedy approach starting from the highest denomination. Agr hm sbse bde coin ko compare kre h amt se and agr wo bda h to we come down a smaller coin agr wo amount se small h to hm tb tk us coin ko use krenge jb tk amount bda h and hr step me amt ko decrement krte jayenge and coins ko increments at last return number of coins values

```
#include <bits/stdc++.h>
int findMinimumCoins(int amount)
{
    // Write your code here
    int deno[]={1,2,5,10,20,50,100,500,1000};
    int coins=0;
    for(int i=8;i>=0;i--)
    {
        while(amount>=deno[i])
        {
            amount-=deno[i];
            coins++;
        }
    }
    return coins;
}
```

Also refer [Coin Change Problem II](#)