BruteForce

package NormalPractice;  
import java.util.Arrays;  
import java.util.Comparator;  
import java.util.Scanner;  
  
public class BruteForce {  
 public static void main(String[] args)  
 {  
 int n;  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.print("Enter the Number of Coins= ");  
 n=sc.nextInt();  
 Integer[] TypesOfcoins =new Integer[n];  
 System.*out*.print("Enter the Types of coins= ");  
 for(int i=0;i<n;i++){  
 TypesOfcoins[i]= sc.nextInt();  
 }  
 Arrays.*sort*(TypesOfcoins, Comparator.*reverseOrder*());  
 int targetSum = 15;  
 int minCoins = 0;  
 while(targetSum != 0) {  
 for(int i = 0; i < TypesOfcoins.length; i++) {  
 if(targetSum >= TypesOfcoins[i] && (targetSum - TypesOfcoins[i]) >= 0) {  
 targetSum -= TypesOfcoins[i];  
 minCoins++;  
 break;  
 }  
 }  
 }  
 System.*out*.println("The number of coins Required are = "+minCoins);  
 }  
}

