```java
package test2;

interface AdvancedArithmetic
{
    void divisor_sum(int n);
}
class Mycalculator implements AdvancedArithmetic
{

    @Override
    public void divisor_sum(int n) {
        // TODO Auto-generated method stub
        int sum=0;
        for( int i=1; i <= n; i++)
        {       if( n % i == 0)
            {
                sum= sum+ i;
            }
        }System.out.println(sum);
    }
}
public class Q1 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Mycalculator mc= new Mycalculator();
        mc.divisor_sum(10);


    }

}

```

```java
package test2;

import java.util.ArrayList;
import java.util.Scanner;
import java.util.Stack;


public class Q2 {
    public static void add(ArrayList<Integer>[] adj, char u, char v) {

            adj[u - 'a'].add(v - 'a');
        }
        public static void Sort(ArrayList<Integer>[] adj, int u, boolean[] visited, Stack<Integer> st) {

            visited[u] = true;
            for (int i = 0; i < adj[u].size(); i++) {
                int v = adj[u].get(i);
                if (!visited[v]) {
                    Sort(adj, v, visited, st);
                }
            }
            st.push(u);
        }

        public static void topSort(ArrayList<Integer>[] adj, int V) {

            boolean[] visited = new boolean[V];
            Stack<Integer> st = new Stack<Integer>();

            for (int i = 0; i < V; i++) {
                visited[i] = false;
            }
            for (int i = 0; i < V; i++) {

                if (!visited[i]) {
                    Sort(adj, i, visited, st);
                }
            }
            while (!st.empty()) {

                System.out.print((char) (st.pop() + 'a') + " ");
            }

            System.out.println("");
            System.out.println(0);
            }

       public static void printOrder(String[] words, int n, int k) {

            ArrayList<Integer>[] adj = new ArrayList[k];
            for (int i = 0; i < k; i++) {
                adj[i] = new ArrayList<Integer>();
            }
            for (int i = 0; i < n - 1; i++) {
                String word1 = words[i];
                String word2 = words[i + 1];

                int j = 0;
```

```java
package test2;

import java.util.Scanner;

interface Menu
{
    void getnameandprice();
}
class Sandwich implements Menu
{
    String sandwich1= "Chicken Sandwich";
    String sandwich2= "Veg Sandwich";
    int sandwichp1= 250;
    int snadwichp2= 150;



    @Override
    public void getnameandprice() {
        // TODO Auto-generated method stub

    }

}
class Salad implements Menu
{
    String salad1= "Greek salad";
    String salad2= "Fruit Salad";
    int saladp1= 200;
    int saladp2= 100;

    @Override
    public void getnameandprice() {
        // TODO Auto-generated method stub


    }


}
class Drink implements Menu
{
    String drink1 = "Iced Tea";
    String drink2 = "Soda";
    int drinkp1= 150;
    int drinkp2= 50;

    @Override
    public void getnameandprice() {
        // TODO Auto-generated method stub
    }
}
class Trio implements Menu
{

    @Override
    public void getnameandprice()
        // TODO Auto-generated method stub
    {
```

```java
package test2;
interface DigitalTree
{
    void absorbSunlight(int n);
    void getTreedetails();

}
class BinaryTree implements DigitalTree
{


    @Override
    public void absorbSunlight(int n) {
        // TODO Auto-generated method stub

    }

    @Override
    public void getTreedetails() {
        // TODO Auto-generated method stub

    }
    void calc(int h)
    {
        int e;
        e= h*h;
        System.out.println(e);
    }

}

class QuantumTree implements DigitalTree
{


    @Override
    public void absorbSunlight(int n) {
        // TODO Auto-generated method stub

    }

    @Override
    public void getTreedetails() {
        // TODO Auto-generated method stub

    }
    void calc1(int h)
    {
        int e1= 3 * (h ^ 2) ;
        System.out.println(e1);

    }

}
class NeutralTree implements DigitalTree
{

    @Override
    public void absorbSunlight(int n) {
```