Array & Methods

```java
import java.util.Scanner;

public class CountFamilies{

    public int [] incomes;

    public CountFamilies(int k)

    {

        incomes=new int[k];

        readIncome();

    }


    public void readIncome(){

        Scanner input=new Scanner(System.in);

        System.out.println("Enter the incomes for each family: ");

        for (int i=0;i<incomes.length;i++)

        {

            incomes[i]=input.nextInt();

        }

        input.close();

    }

    public int findMaxIncome()

    {

        int max=incomes[0];

        for (int income:incomes){

            if(income>max)

            {

                max=income;

            }

        }
```

```java
            return max;

        }


    public void countlowIncomeFamilies()

    {

        int maxIncome=findMaxIncome();

        double percentage= maxIncome*0.1;

        int count=0;

        System.out.println("Families earning less than 10% of the maximum income("+percentage+")");

        for(int income: incomes)

        {

            if(income<percentage)

            {

                System.out.println("Income: "+income);

                count++;

            }

        }

        System.out.println("Number of families earning less than 10% of the maximum income: "+count);

    }

}



import java.util.Scanner;

public class CountFamiliesTest

{

    public static void main(String[] args)

    {

        Scanner input =new Scanner(System.in);
```

```java
        System.out.println("Enter the number of families: ");

        int k= input.nextInt();


        CountFamilies family=new CountFamilies(k);

        family.countlowIncomeFamilies();

        input.close();

    }

}
```

OUTPUT

Enter the number of families:

7

Enter the incomes for each family:

1000

10000

500

600

300

900

1500

Families earning less than 10% of the maximum income(1000.0)

Income: 500

Income: 600

Income: 300

Income: 900

Number of families earning less than 10% of the maximum income: 4