Void

→ function method

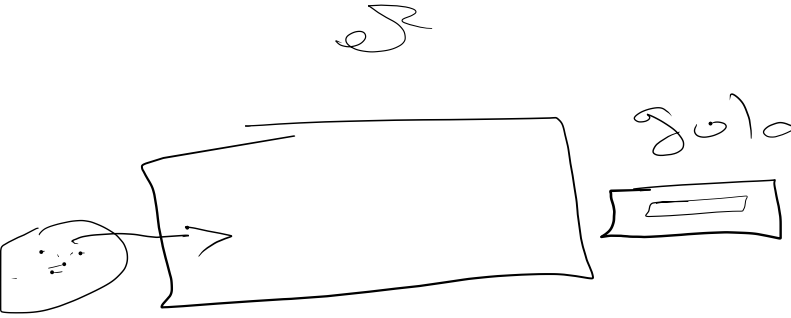
int a = 12
double b = 13.00

Public static int Sumtotal (int a, double b) {

Sys...

...int = sum

...



gold ~~return~~
return Sum;

System.out.println (Sumtotal(a,b));

int answer = Sumtotal (a,b);

Take **x** and **y** as input. Write a **function** that takes in **x** and **y** as integer parameters and prints all the even numbers between **x** and **y** (**x** and **y** both **inclusive**)

Input Format

Take integer **T** as an integer input which represents the number of testcases.

for each test cases:-

first line take an integer input from user as **x.**

second line take an integer input from user as **y.**

Constraints

```
1 <= T <= 10^4
1 <= x <= 1000
1 <= y <= 10^4
```

Output Format

Print all even number between given intervals.

Sample Input 0

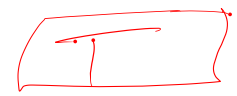
```
2
1 10
3 15
```

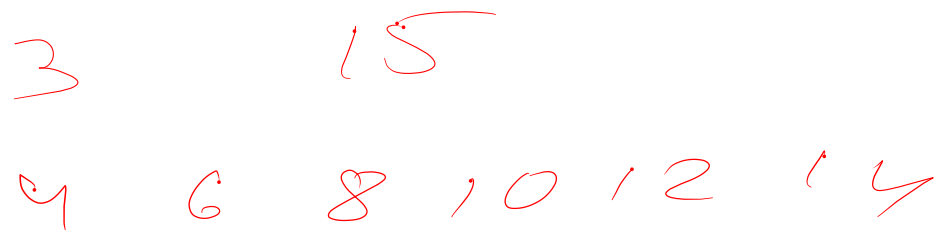
Sample Output 0

```
2 4 6 8 10
4 6 8 10 12 14
```

Explanation 0

Print all even numbers between 1 and 10





Submitted Code

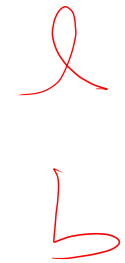
Language: Java 15

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int t = sc.nextInt();
        for(int  i=0;i<t;i++){
            int x =sc.nextInt();
            int y =sc.nextInt();
            printEven(x,y);
        }
    }
    public static void printEven(int x, int y){
        for(int i=x;i<=y;i++){
            if(i%2==0)
            System.out.print(i+" ");
        }
        System.out.println();
    }
}
```

Take the length as **l** and breadth as **b** of a rectangle as input. Write a **function** that takes **length** and **breadth** as integer parameters and returns the area of the rectangle. Print the final area returned.



Input Format

first line takes user input length as **l**.

second line takes user input breadth as **b**.

Constraints

```
1 <= l <= 1000
1 <= b <= 1000
```

Output Format

Print the area of rectangle.

Sample Input 0

```
4
4 6
2 4
6 8
9 6
```

Sample Output 0

```
24
8
48
54
```

Submitted Code

Language: Java 15

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
       Scanner sc = new Scanner(System.in);
        int t = sc.nextInt();

        for(int i=0;i<t;i++){
            int l = sc.nextInt();
            int b = sc.nextInt();
            areaOfRectangle(l,b);
        }
    }
    public static void areaOfRectangle(int l, int b){
        System.out.println(l*b);
    }
}
```

Write a program to calculate the total salary of a person. The user has to enter the basic salary (an integer) and the grade (an uppercase character), and depending upon which the total salary is calculated as -

```
    totalSalary = basic + hra + da + allow - pf
          where :
hra    = 20% of basic

da     = 50% of basic

allow = 1700 if grade = 'A'

allow = 1500 if grade = 'B'

allow = 1300 if grade = 'C' or any other character

pf     = 11% of basic.
```

Round off the total salary and then print the integral part only.

Note: use functions.

Input Format

Basic salary & Grade (separated by space)

Constraints

```
0 <= Basic Salary <= 7,500,000
```

Output Format

Print Total Salary

Sample Input 0

```
10000
A
```

Sample Output 0

```
17600
```

Submitted Code

Language: Java 15

```
1  import java.io.*;
2  import java.util.*;
3
4  public class Solution {
5
6      public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8          int bSalary=sc.nextInt();
9          char grade=sc.next().charAt(0);
10
11         double ans = calTotalSalary(bSalary,grade);
12         System.out.print(Math.round(ans));
13     }
14     public static double calTotalSalary(int bSalary, char grade){
15         double hra = 0.2 * bSalary;
16         double da = 0.5 * bSalary;
17          double pf = 0.11 * bSalary;
18         int allow =0;
19         if(grade == 'A')allow =1700;
20         else if (grade == 'B') allow =1500;
21         else allow = 1300;
22
23         double totalSalary = bSalary+hra+da+allow-pf;
24         return totalSalary;
25
26     }
27 }
```