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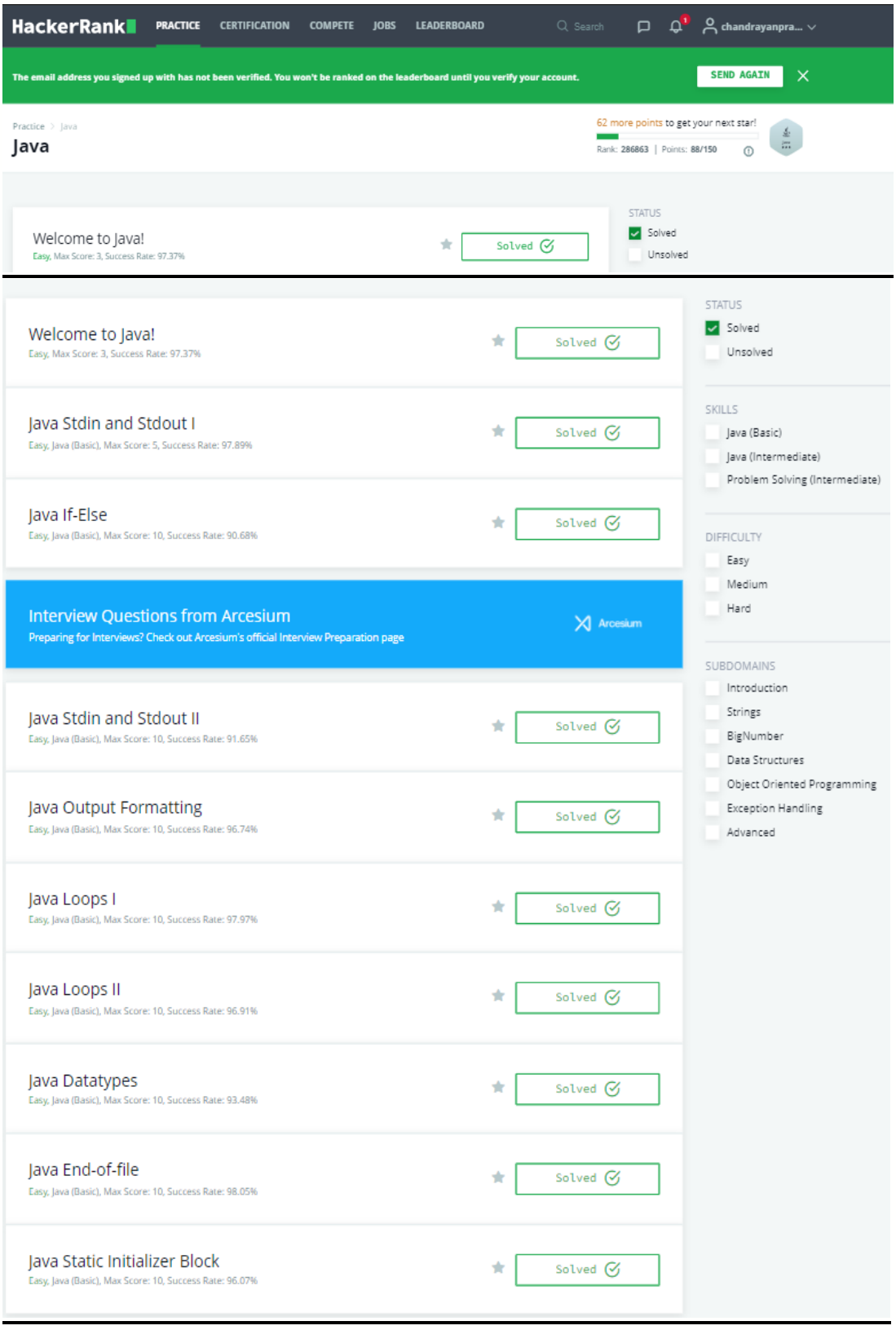

WELCOME TO JAVA

```java
public class Solution {
    public static void main(String[] args) {
        System.out.print("Hello, World. \n");
        System.out.print("Hello, Java.");

    }
}
```

JAVA STDIN AND STDOUT I

```java
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        int a = scan.nextInt();
        int b = scan.nextInt();
        int c = scan.nextInt();
        System.out.println(a);
        System.out.println(b);
        System.out.println(c);
    }
}
```

JAVA IF-ELSE

```java
import java.io.*;
import java.math.*;
import java.security.*;
import java.text.*;
import java.util.*;
import java.util.concurrent.*;
import java.util.regex.*;
public class Solution {
    private static final Scanner scanner = new Scanner(System.in);

    public static void main(String[] args) {
```

```
        int N = scanner.nextInt();
        scanner.skip("(\r\n|[\n\r\u2028\u2029\u0085])?");
        if(N%2!=0 || N%2==0 && N >= 6 && N <= 20)
        System.out.print("Weird");
        else if(N%2==0 &&  N>= 2 && N<= 5|| N%2==0 && N>20)
        System.out.print("Not Weird");
        scanner.close();
    }
}
```

JAVA STDIN AND STDOUT II

```
import java.util.Scanner;
public class Solution {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        int i = scan.nextInt();
        double d=scan.nextDouble();
        scan.nextLine();
        String s=scan.nextLine()
        System.out.println("String: " + s);
        System.out.println("Double: " + d);
        System.out.println("Int: " + i);
    }
}
```

JAVA OUTPUT FORMATTING

```
import java.util.Scanner;

public class Solution {
    public static void main(String[] args) {
            Scanner sc=new Scanner(System.in);
            System.out.println("================================");
            for(int i=0;i<3;i++){
                String s1=sc.next();
                int x=sc.nextInt();
                System.out.printf("%-14s %03d\n", s1, x);
            }
            System.out.println("================================");
    }
}
```

JAVA LOOPS I

```
import java.io.*;
import java.math.*;
import java.security.*;
import java.text.*;
import java.util.*;
import java.util.concurrent.*;
import java.util.regex.*;
public class Solution {
    private static final Scanner scanner = new Scanner(System.in);
    public static void main(String[] args) {
        int p=1;
        int N = scanner.nextInt();
        scanner.skip("(\r\n|[\n\r\u2028\u2029\u0085])?");
        for(int i=1;i<11;i++)
        {
            p=N*i;
        System.out.println(N + " x " +i+ " = " +p);
        }
        scanner.close();
    }
}
```

JAVA LOOPS II

```
import java.util.*;
import java.io.*;
class Solution{
    public static void main(String []argh){
        Scanner in = new Scanner(System.in);
        int t=in.nextInt();
        for(int i=0;i<t;i++){
            int result=0;
            int a = in.nextInt();
            int b = in.nextInt();
            int n = in.nextInt();
            for (int j = 0; j < n; j++ ){
                    if(j==0){
                        result = result + (a + (int)Math.pow(2,j) * b);
                    }
```

```
                    else{
                        result = result + ((int)Math.pow(2,j) * b);
                    }
                    System.out.print(result+" ");
                }
                System.out.println();
        }
        in.close();
    }
}
```

JAVA DATATYPES

```
import java.util.*;
import java.io.*;
class Solution{
    public static void main(String []argh)
    {
        Scanner sc = new Scanner(System.in);
        int t=sc.nextInt();
        for(int i=0;i<t;i++)
        {
            try
            {
                long x=sc.nextLong();
                System.out.println(x+" can be fitted in:");
                if(x>=-128 && x<=127)System.out.println("* byte");
                if(x>=-32768 && x<=32767)
                System.out.println("* short");
                    if(x>=-2147483648 && x<=2147483647)
                     System.out.println("* int");
                    if(x>=-9223372036854775808L &&
                        x<=9223372036854775807L)
                        System.out.println("* long");
            }
            catch(Exception e)
            {
                System.out.println(sc.next()+" can't be fitted anywhere.")
;
            }

        }
    }
}
```

JAVA END OF FILE

```
import java.io.*;
import java.util.*;
import java.text. *;
import java.math.*;
import java.util.regex.*;

public class Solution {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int i=1;
        while (sc.hasNext()) {
            String s=sc.nextLine();
            System.out.println(i + " " + s);
            i++;

        }
    }
}
```

JAVA STATIC INITIALIER BLOCK

```
import java.io.*;
import java.util.*;
import java.text.*;
import java.math.*;
import java.util.regex.*;

public class Solution {
    static int B,H;
    static boolean flag = true;
    static {
        Scanner sc = new Scanner(System.in);
        B = sc.nextInt();
        H = sc.nextInt();
        if(B<=0 || H<=0){
            System.out.println("java.lang.Exception: Breadth and height mu
st be positive");
            flag = false;
```

```
        }
    }
public static void main(String[] args){
        if(flag){
            int area=B*H;
            System.out.print(area);
        }

    }//end of main

}//end of class
```