Q1.

Write a program to print 'Hello' on screen and your name on a separate line.

Input Format

Input Consists of one String

Constraints

No Constraints

Output Format

Execute the given statement and input.

Sample Input 0

Vengatesh

Sample Output 0

Hello

Vengatesh

Contest ends in 5 days

Submissions: 188

Max Score: 10

Difficulty: Easy

Rate This Challenge:

More

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

String name = s.next();

System.out.println("Hello");

System.out.println(name);

}

}Line: 8 Col: 32

Run Code Submit CodeUpload Code as File

Test against custom input

Testcase 0

Congratulations, you passed the sample test case.

Click the Submit Code button to run your code against all the test cases.

Input (stdin)

Vengatesh

Your Output (stdout)

Hello

Vengatesh

Expected Output

Hello

Vengatesh

Q2.

Kumar wants to know how to display the numbers in programming.can you please guide him to display the numbers.

**Input Format**

First input corresponds to the Integer Number. Second input corresponds to the Float Number.

**Constraints**

No Constraints

**Output Format**

First output corresponds to the Integer Number Second output corresponds to the Float Number

**Sample Input 0**

4

5.678

**Sample Output 0**

4

5.68

**Contest ends in 5 days**

**Submissions:**

[172](https://www.hackerrank.com/contests/basic-statement-java/challenges/value-performance-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.io.\*;

2

import java.util.\*;

3

​

4

public class Solution {

5

​

6

   public static void main(String[] args) {

7

       Scanner s = new Scanner(System.in);

8

       int integer=s.nextInt();

9

       float decimal =s.nextFloat();

10

       System.out.println(integer);

11

       System.out.printf("%.2f",decimal);

12

  }

13

}

Line: 10 Col: 27

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

4

5.678

**Your Output (stdout)**

4

5.68

**Expected Output**

4

5.68

Q3..

Anil wants to know how to display the word with the statement in the program.can you please guide him to display the Statement.

**Input Format**

First input corresponds to the String.

**Constraints**

No Constraints

**Output Format**

Output corresponds to display the string with Statement.

**Sample Input 0**

C programming

**Sample Output 0**

May I know how to learn C!!!...

**Contest ends in 5 days**

**Submissions:**

[177](https://www.hackerrank.com/contests/basic-statement-java/challenges/execute-the-word-with-a-statement/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.io.\*;

2

import java.util.\*;

3

public class Solution {

4

   public static void main(String[] args) {

5

       Scanner s = new Scanner(System.in);

6

       String st = s.next();

7

       System.out.println("May I know how to learn "+st+"!!!...");

8

  }

9

}

Line: 1 Col: 2

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

C programming

**Your Output (stdout)**

May I know how to learn C!!!...

**Expected Output**

May I know how to learn C!!!...

Q4.

sunil wants to know how to execute the string statement in programming.can you please guide him to execute the Statement.

**Input Format**

First input corresponds to the string

**Constraints**

No Constraints

**Output Format**

Output corresponds to the string with the statement.

**Sample Input 0**

Sunil kumar

**Sample Output 0**

Hai Sunil kumar! Welcome to Programming Language...

**Sample Input 1**

Senthil

**Sample Output 1**

Hai Senthil! Welcome to Programming Language...

**Contest ends in 5 days**

**Submissions:**

[174](https://www.hackerrank.com/contests/basic-statement-java/challenges/execute-the-string-statement-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

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

       String firstname = sc.nextLine();

9

       System.out.println("Hai "+firstname+"!   Welcome to Programming Language...");

10

  }

11

}

Line: 9 Col: 51

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

Sunil kumar

**Your Output (stdout)**

Hai Sunil kumar! Welcome to Programming Language...

**Expected Output**

Hai Sunil kumar! Welcome to Programming Language...

Part:2-Q1

Danny has recently got his job offer as an Event Concept Creator at Sparsh Event Services. The Company has sent him a detailed salary structure with details of his basic salary, HRA and DA. The Company has promised to pay him as under:

If his basic salary is less than Rs. 15000, then HRA = 15% of basic salary and DA = 90% of basic salary.

If his basic salary is either equal to or above Rs. 15000, then HRA = Rs. 5000 and DA = 98% of basic salary.

If the Danny’s salary is given as input, write a program to find his gross salary, using method

***Note : Gross Salary = Basic Salary+HRA+DA\****

**Input Format**

First line of the input is an integer that corresponds to the basic salary of Danny.

**Constraints**

No Constraints

**Output Format**

Output should display the double value that refers to the gross salary of Danny. Display the output correct to 2 decimal places.

**Sample Input 0**

12000

**Sample Output 0**

24600.00

**Contest ends in 5 days**

**Submissions:**

[156](https://www.hackerrank.com/contests/control-statement-java/challenges/salary-computation-3/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.Scanner;

2

public class SalaryComputation {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       int bS = sc.nextInt();

6

       double hra;

7

       double da;

8

       if (bS < 15000) {

9

          hra = 0.15 \* bS;

10

          da = 0.90 \*  bS;

11

      } else {

12

          hra = 5000.0;

13

          da = 0.98 \* bS;

14

      }

15

       double gS = bS + hra + da;

16

       System.out.printf("%.2f", gS);

17

  }

18

}

Line: 16 Col: 37

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

12000

**Your Output (stdout)**

24600.00

**Expected Output**

24600.00

Part 2 – q2

College Management wants to separate the eligible students for their placement.so find the eligible students for the placement.

Notes:-

* If the students has 1 arrear and the cpga is above 70 - They are eligible for Placement.
* If the students has 1 or 2 arrear and the cpga is above 75 -They are eligible for Placement.
* Remaining students aren't eligible for Placement.

**Input Format**

input consists of one String and two integer.

**Constraints**

No constraints

**Output Format**

print the statement "Eligible for Placement" or "Not Eligible for Placement".

**Sample Input 0**

John

1

76

**Sample Output 0**

Name of the Student:John

John is Eligible for Placement

**Sample Input 1**

John

2

70

**Sample Output 1**

Name of the Student:John

John is Not Eligible for Placement

**Contest ends in 5 days**

**Submissions:**

[184](https://www.hackerrank.com/contests/control-statement-java/challenges/eligible-for-placement-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.io.\*;

2

import java.util.\*;

3

public class Solution {

4

   public static void main(String[] args) {

5

       Scanner sc=new Scanner(System.in);

6

       String name = sc.next();

7

       System.out.println("Name of the Student:"+name);

8

       int arrear = sc.nextInt();

9

       float CGPA = sc.nextFloat();

10

       if(arrear<2 & CGPA>70){

11

           System.out.print(name+" is Eligible for Placement");

12

      }

13

       else if (arrear<3 & CGPA>75){

14

           System.out.print(name+" is Eligible for Placement");

15

      }

16

       else{

17

           System.out.print(name+" is Not Eligible for Placement");

18

      }

19

  }

20

}

Line: 2 Col: 4

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

John

1

76

**Your Output (stdout)**

Name of the Student:John

John is Eligible for Placement

**Expected Output**

Name of the Student:John

John is Eligible for Placement

Part 2 – q3

Ramu after receiving his first salary decided to go to the bank to deposit his savings in his account. Before that, he does not know the process that is to be undertaken in the bank. Help him in understanding the process of depositing money and withdrawal of money. Use Switchcase to implement this concept

**Input Format**

First input corresponds to the account balance. Second input corresponds to the process to be carried out.

**Constraints**

No Constraints

**Output Format**

If the input is 1, the amount should be deposited. If the input is 2, the amount should be withdrawn and for other inputs display “Invalid Input”. If the amount to be withdrawn is greater than the balance, display “Insufficient Balance”.

**Sample Input 0**

1000

3

**Sample Output 0**

Invalid Input

**Sample Input 1**

2000

1

500

**Sample Output 1**

2500

**Sample Input 2**

200

2

2000

**Sample Output 2**

Insufficient Balance

**Contest ends in 5 days**

**Submissions:**

[167](https://www.hackerrank.com/contests/control-statement-java/challenges/account-balance-3-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.Scanner;

2

public class BankProcess {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       int balance = sc.nextInt();   // first input - account balance

6

       int choice = sc.nextInt();    // second input - process (1 or 2)

7

       switch (choice) {

8

           case 1: // deposit

9

               int deposit = sc.nextInt();

10

               balance += deposit;

11

               System.out.println(balance);

12

               break;

13

           case 2: // withdraw

14

               int withdraw = sc.nextInt();

15

               if (withdraw > balance) {

16

                   System.out.println("Insufficient Balance");

17

              } else {

18

                   balance -= withdraw;

19

                   System.out.println(balance);

20

              }

21

               break;

22

           default:

23

               System.out.println("Invalid Input");

24

       }

25

  }

26

}

Line: 24 Col: 10

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

1000

3

**Your Output (stdout)**

Invalid Input

**Expected Output**

Invalid Input

Q4

Sila wants to know how to calculate the values using math function.can you please guide her to perform the math Calculations. Note:use the Floor, Ceil, Sqrt, Pow

**Input Format**

First Input corresponds to the float value Second input correspond to the Integer value is for square value. Third input correspond to the Integer value is for base value. Fourth input correspond to the Integer value is for power value.

**Constraints**

No Constraints

**Output Format**

Output corressponds to the calculation of Math functions.

**Sample Input 0**

76.78

16

2

3

**Sample Output 0**

76

77

4

8

**Contest ends in 5 days**

**Submissions:**

[188](https://www.hackerrank.com/contests/basic-statement-java/challenges/math-functions-1-2/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.Scanner;

2

class Solution{

3

public static void main(String[] args){

4

Scanner sc=new Scanner(System.in);

5

double num1=sc.nextDouble();

6

int num2=sc.nextInt();

7

int num3=sc.nextInt();

8

int num4=sc.nextInt();

9

System.out.println((int)Math.floor(num1));

10

System.out.println((int)Math.ceil(num1));

11

System.out.println((int)Math.sqrt(num2));

12

System.out.println((int)Math.pow(num3,num4));

13

}

14

}

15

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

76.78

16

2

3

**Your Output (stdout)**

76

77

4

8

**Expected Output**

76

77

4

8

Q5

Alexa wants to know how the decimal digits are working in programming.can you please guide her to working on decimal digit.

**Input Format**

Input corresponds to the Float Value.

**Constraints**

No Constraints

**Output Format**

Output Corresponds to the Decimal Digit values.

**Sample Input 0**

67.98

**Sample Output 0**

67.980003

67.9800

67.98

68

**Sample Input 1**

12.34

**Sample Output 1**

12.340000

12.3400

12.34

12

**Contest ends in 5 days**

**Submissions:**

[166](https://www.hackerrank.com/contests/basic-statement-java/challenges/float-formation-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.Scanner;

2

class Solution{

3

public static void main(String[] args){

4

Scanner sc=new Scanner(System.in);

5

float num=sc.nextFloat();

6

System.out.printf("%f\n",num);

7

System.out.printf("%.4f\n",num);

8

System.out.printf("%.2f\n",num);

9

System.out.printf("%d",(int)Math.round(num));

10

}

11

}

12

​

Line: 12 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

67.98

**Your Output (stdout)**

67.980003

67.9800

67.98

68

**Expected Output**

67.980003

67.9800

67.98

68

Q6

Ajay, Binoy and Chandru were very close friends at school. They were very good in Mathematics and they were the pet students of Emily Mam. Their gang was known as 3-idiots. Ajay, Binoy and Chandru live in the same locality.

A new student Dinesh joins their class and he wanted to be friends with them. He asked Binoy about his house address. Binoy wanted to test Dinesh's mathematical skills. Binoy told Dinesh that his house is at the midpoint of the line joining Ajay's house and Chandru's house. Dinesh was puzzled. Can you help Dinesh out?

Given the coordinates of the 2 end points of a line (x1,y1) and (x2,y2), write a program to find the midpoint of the line.

**Input Format**

Input consists of 4 integers.

The first integer corresponds and the second integer corresponds to x1 and y1.

The third and fouth integers correspond to x2 and y2 respectively.

**Constraints**

No Constraints

**Output Format**

Refer Sample Input and Output for exact formatting specifications.

**Sample Input 0**

6

5

3

8

**Sample Output 0**

Binoy's house is located at (4.5,6.5)

**Sample Input 1**

5

9

8

7

**Sample Output 1**

Binoy's house is located at (6.5,8.0)

**Contest ends in 5 days**

**Submissions:**

[165](https://www.hackerrank.com/contests/basic-statement-java/challenges/three-idiots-2-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution{

3

public static void main(String[] args){

4

Scanner sc=new Scanner(System.in);

5

int x1=sc.nextInt();

6

int y1=sc.nextInt();

7

int x2=sc.nextInt();

8

int y2=sc.nextInt();

9

double midX=(x1+x2)/2.0;

10

double midY=(y1+y2)/2.0;

11

System.out.printf("Binoy's house is located at (%.1f,%.1f)",midX,midY);

12

}

13

}

14

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

6

5

3

8

**Your Output (stdout)**

Binoy's house is located at (4.5,6.5)

**Expected Output**

Binoy's house is located at (4.5,6.5)

Q6

Each Sunday, a newspaper agency sells x copies of a certain newspaper for Rs.a per copy. The cost to the agency of each newspaper is Rs.b . The agency pays a fixed cost for storage, delivery and so on of Rs.100 per Sunday. The newspaper agency wants to calculate the profit obtained on sundays. Can you please help them out by writing a C program to compute the profit given x, a and b.

**Input Format**

Input consists of 3 integers --- x, a and b. X is the number of copies sold, a is the cost per copy and b is the cost the agency spends per copy.

**Constraints**

No Constraints

**Output Format**

Refer Sample Input and Output for exact formatting specifications.

**Sample Input 0**

1000

2

1

**Sample Output 0**

Number of copies sold:1000

Cost of each copy:2

Cost spent by agency on each newspaper:1

The profit obtained is Rs.900.00

**Sample Input 1**

2000

3

1

**Sample Output 1**

Number of copies sold:2000

Cost of each copy:3

Cost spent by agency on each newspaper:1

The profit obtained is Rs.3900.00

**Sample Input 2**

10000

4

2

**Sample Output 2**

Number of copies sold:10000

Cost of each copy:4

Cost spent by agency on each newspaper:2

The profit obtained is Rs.19900.00

**Contest ends in 5 days**

**Submissions:**

[165](https://www.hackerrank.com/contests/basic-statement-java/challenges/profit-calculator-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Easy

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution{

3

public static void main(String[] args){

4

Scanner sc=new Scanner(System.in);

5

int x=sc.nextInt();

6

int a=sc.nextInt();

7

int b=sc.nextInt();

8

double profit=(x\*a)-(x\*b)-100;

9

System.out.println("Number of copies sold:"+x);

10

System.out.println("Cost of each copy:"+a);

11

System.out.println("Cost spent by agency on each newspaper:"+b);

12

System.out.printf("The profit obtained is Rs.%.2f",profit);

13

}

14

}

15

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

1000

2

1

**Your Output (stdout)**

Number of copies sold:1000

Cost of each copy:2

Cost spent by agency on each newspaper:1

The profit obtained is Rs.900.00

**Expected Output**

Number of copies sold:1000

Cost of each copy:2

Cost spent by agency on each newspaper:1

The profit obtained is Rs.900.00

PART2

Q4

Maya wants to know how to find whether the alphabet is Vowel or Consonant.could you please help her to find the alphabet is Vowel or Consonant.

**Input Format**

input consists of one Character.

**Constraints**

No Constraints

**Output Format**

print whether the character is Vowel or Consonant or Invalid Input.

**Sample Input 0**

A

**Sample Output 0**

The Character A is Vowel

**Sample Input 1**

T

**Sample Output 1**

The Character T is Consonant

**Sample Input 2**

u

**Sample Output 2**

The Character u is Vowel

**Contest ends in 5 days**

**Submissions:**

[172](https://www.hackerrank.com/contests/control-statement-java/challenges/vowels-or-consonants-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution{

3

public static void main(String[] args){

4

Scanner sc=new Scanner(System.in);

5

String input=sc.next();

6

if(input.length()!=1 || !Character.isLetter(input.charAt(0))){

7

System.out.println("Invalid Input");

8

return;

9

}

10

char ch=input.charAt(0);

11

if("AEIOUaeiou".indexOf(ch)!=-1)

12

System.out.println("The Character "+ch+" is Vowel");

13

else

14

System.out.println("The Character "+ch+" is Consonant");

15

}

16

}

17

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

A

**Your Output (stdout)**

The Character A is Vowel

**Expected Output**

The Character A is Vowel

PART2

Q5

Dheena wants to know how the grading marks will works in education.could you please help him to learn the grading System. Note:-

100=Grade is S 90-99=Grade is A 80-89=Grade is B 70-79=Grade is C 60-69=Grade is D 50-59=Grade is E <50=Fail Get the subject marks from the user,then Find the average marks.Based on the average marks generate the Students grade marks.

**Input Format**

First input consists of String Second input consists of integer Third input consists of integer Fourth input consists of integer Fifth input consists of integer Sixth input consists of integer

**Constraints**

No Constraints

**Output Format**

execute the total Marks,average marks and Grade Mark

**Sample Input 0**

John

100

99

100

100

99

**Sample Output 0**

Name of the Student:John

Total Mark:498

Average Mark:99.6

Grade Mark:A

**Sample Input 1**

Nivi

30

30

30

30

30

**Sample Output 1**

Name of the Student:Nivi

Total Mark:150

Average Mark:30.0

Grade Mark:Fail

**Contest ends in 5 days**

**Submissions:**

[174](https://www.hackerrank.com/contests/control-statement-java/challenges/grading-system-20-1/leaderboard)

**Max Score:**

0

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution{

3

public static void main(String[] args){

4

Scanner sc=new Scanner(System.in);

5

String name=sc.nextLine();

6

int m1=sc.nextInt();

7

int m2=sc.nextInt();

8

int m3=sc.nextInt();

9

int m4=sc.nextInt();

10

int m5=sc.nextInt();

11

int total=m1+m2+m3+m4+m5;

12

double avg=total/5.0;

13

String grade;

14

if(avg==100) grade="S";

15

else if(avg>=90) grade="A";

16

else if(avg>=80) grade="B";

17

else if(avg>=70) grade="C";

18

else if(avg>=60) grade="D";

19

else if(avg>=50) grade="E";

20

else grade="Fail";

21

System.out.println("Name of the Student:"+name);

22

System.out.println("Total Mark:"+total);

23

System.out.println("Average Mark:"+avg);

24

System.out.println("Grade Mark:"+grade);

25

}

26

}

27

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

John

100

99

100

100

99

**Your Output (stdout)**

Name of the Student:John

Total Mark:498

Average Mark:99.6

Grade Mark:A

**Expected Output**

Name of the Student:John

Total Mark:498

Average Mark:99.6

Grade Mark:A

Q.

Write a program to find whether the given number is a Harshad number or not. Note that Harshard number is an integer that is divisible by the sum of its digits.

**Input Format**

Input consists of 1 integer.

**Constraints**

No Constraints

**Output Format**

If the given number is a Harshad Number, display “Harshad Number” or display “Not Harshad Number”.

**Sample Input 0**

11

**Sample Output 0**

Not Harshad Number

**Sample Input 1**

1729

**Sample Output 1**

Harshad Number

**Contest ends in 5 days**

**Submissions:**

[217](https://www.hackerrank.com/contests/looping-statement-java/challenges/harshad-number-22-4/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.Scanner;

2

public class HarshadNumber {

3

   public static void main(String[] args) {

4

       Scanner scanner = new Scanner(System.in);

5

       int number = scanner.nextInt();

6

       int originalNumber = number;

7

       int sumOfDigits = 0;

8

       while (number > 0) {

9

           int digit = number % 10;

10

           sumOfDigits += digit;

11

           number /= 10;

12

      }

13

       if (originalNumber % sumOfDigits == 0) {

14

           System.out.println("Harshad Number");

15

      } else {

16

           System.out.println("Not Harshad Number");

17

      }

18

  }

19

}

Line: 5 Col: 41

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

11

**Your Output (stdout)**

Not Harshad Number

**Expected Output**

Not Harshad Number

Q.

Write a program to find whether the given number is an Abundant number or not. Note: An abundant number is a number for which the sum of its proper divisors is greater than the number itself. For example, integer 12 is an abundant number. The divisors of 12 are 1, 2, 3, 4 and 6. The sum of divisors of 12 is 16. As 12 < 16, it is an abundant number.

**Input Format**

Input consists of 1 integer.

**Constraints**

No Constraint

**Output Format**

If it is an Abundant number display “Abundant Number” or display “Not Abundant Number”.

**Sample Input 0**

6

**Sample Output 0**

Not Abundant Number

**Sample Input 1**

12

**Sample Output 1**

Abundant Number

**Contest ends in 5 days**

**Submissions:**

[208](https://www.hackerrank.com/contests/looping-statement-java/challenges/abundant-number-11-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.Scanner;

2

public class Main {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       int n = sc.nextInt();

6

       int sum = 0;

7

       for (int i = 1; i <= n / 2; i++) {

8

           if (n % i == 0) {

9

               sum += i;

10

          }

11

      }

12

       if (sum > n) {

13

           System.out.println("Abundant Number");

14

      } else {

15

           System.out.println("Not Abundant Number");

16

      }

17

       sc.close();

18

  }

19

}

20

​

Line: 20 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

6

**Your Output (stdout)**

Not Abundant Number

**Expected Output**

Not Abundant Number

Q.

Gunal wants to find the sum of integer digits number.could you please help him to find it and also impelements in program.

**Input Format**

input consists of one integer.

**Constraints**

Given N is more then 2 digit integer.

**Output Format**

Print the sum of digit value.

**Sample Input 0**

1234

**Sample Output 0**

Sum of digit is 10

**Sample Input 1**

12

**Sample Output 1**

Invalid Input

**Contest ends in 5 days**

**Submissions:**

[195](https://www.hackerrank.com/contests/looping-statement-java/challenges/sum-of-digit-10/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

​

3

public class Solution {

4

   public static void main(String[] args) {

5

       Scanner sc = new Scanner(System.in);

6

       int num = sc.nextInt();

7

8

       if (num < 100) {

9

           System.out.println("Invalid Input");

10

      } else {

11

           int sum = 0;

12

           int temp = num;

13

           while (temp > 0) {

14

               sum += temp % 10;

15

               temp /= 10;

16

          }

17

           System.out.println("Sum of digit is " + sum);

18

      }

19

       sc.close();

20

  }

21

}

22

​

Line: 22 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

1234

**Your Output (stdout)**

Sum of digit is 10

**Expected Output**

Sum of digit is 10

Q.

Write the program to calculate the sum of the Fibonacci series between the range of the two values. The n is the start of the range value and m is the end of the range value. Finally, return the sum of the range value of the Fibonacci Series.

**Input Format**

Input consists of two integers.

**Constraints**

N is greater than equal to one and lesser than equal to 20

M is greater than equal to one and lesser than equal to 20

**Output Format**

The sum of the range value.

If the constraints are more than the input print the statement is "Invalid Input".

**Sample Input 0**

3

5

**Sample Output 0**

The Sum of Fibonacci value is 6.0

**Sample Input 1**

22

23

**Sample Output 1**

Invalid Input

**Contest ends in 5 days**

**Submissions:**

[163](https://www.hackerrank.com/contests/looping-statement-java/challenges/fibonacci-series-144-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       if (!sc.hasNextInt()) {

6

           System.out.println("Invalid Input");

7

           return;

8

      }

9

       int a = sc.nextInt();

10

       if (!sc.hasNextInt()) {

11

           System.out.println("Invalid Input");

12

           return;

13

      }

14

       int b = sc.nextInt();

15

​

16

       // Constraints check

17

       if (a < 1 || b < 1 || a > 20 || b > 20 || a > b) {

18

           System.out.println("Invalid Input");

19

           sc.close();

20

           return;

21

      }

22

​

23

       long f1 = 0, f2 = 1, sum = 0;

24

       for (int i = 1; i <= b; i++) {

25

           long term;

26

           if (i == 1) term = f1;

27

           else if (i == 2) term = f2;

28

           else {

29

               long fn = f1 + f2;

30

               f1 = f2;

31

               f2 = fn;

32

               term = fn;

33

          }

34

           if (i >= a) sum += term;

35

      }

36

​

37

       System.out.println("The Sum of Fibonacci value is " + String.format("%.1f", (double) sum));

38

       sc.close();

39

  }

40

}

41

​

Line: 36 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

3

5

**Your Output (stdout)**

The Sum of Fibonacci value is 6.0

**Expected Output**

The Sum of Fibonacci value is 6.0

Q.

Write a program that takes a number from the user and generates an integer between 1 and 7. It displays the weekday name.

**Input Format**

Input consists of one integer.

**Constraints**

number 1 to 7

**Output Format**

Execute the day name of the given day number.If the given number is beyond the limit execute the statement"Enter a valid Number".

**Sample Input 0**

1

**Sample Output 0**

Monday

**Sample Input 1**

7

**Sample Output 1**

Sunday

**Sample Input 2**

14

**Sample Output 2**

Enter a valid Input

**Contest ends in 5 days**

**Submissions:**

[183](https://www.hackerrank.com/contests/control-statement-java/challenges/weekday-name-from-number-2/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       if (!sc.hasNextInt()) {

6

           System.out.println("Enter a valid Input");

7

           return;

8

      }

9

       int num = sc.nextInt();

10

       switch (num) {

11

           case 1: System.out.println("Monday"); break;

12

           case 2: System.out.println("Tuesday"); break;

13

           case 3: System.out.println("Wednesday"); break;

14

           case 4: System.out.println("Thursday"); break;

15

           case 5: System.out.println("Friday"); break;

16

           case 6: System.out.println("Saturday"); break;

17

           case 7: System.out.println("Sunday"); break;

18

           default: System.out.println("Enter a valid Input");

19

      }

20

​

21

  }

22

}

23

​

Line: 1 Col: 20

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

1

**Your Output (stdout)**

Monday

**Expected Output**

Monday

Q.

write the program to find the Largest of Three Numbers using nested if-else

**Input Format**

consider 3 user input as a integer value.

**Constraints**

no constraints

**Output Format**

find the Largest of Three Numbers

**Sample Input 0**

10

60

70

**Sample Output 0**

c is largest then a and b

**Sample Input 1**

5

10

7

**Sample Output 1**

b is largest then a and c

**Contest ends in 5 days**

**Submissions:**

[185](https://www.hackerrank.com/contests/control-statement-java/challenges/largest-of-three-numbers-12/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       int a = sc.nextInt();

6

       int b = sc.nextInt();

7

       int c = sc.nextInt();

8

       if (a > b) {

9

           if (a > c) {

10

               System.out.println("a is largest then b and c");

11

          } else {

12

               System.out.println("c is largest then a and b");

13

          }

14

      } else {

15

           if (b > c) {

16

               System.out.println("b is largest then a and c");

17

          } else {

18

               System.out.println("c is largest then a and b");

19

          }

20

      }

21

       sc.close();

22

  }

23

}

Line: 1 Col: 20

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

10

60

70

**Your Output (stdout)**

c is largest then a and b

**Expected Output**

c is largest then a and b

Q.

Kumar wants to learn how the calculators are working.so he is trying to implements the calculator program.could you please help him to implements the program. - Notes:- Must use the Switch Case.operators - Addition - Subtraction - Multiplication - Division - Modulo

**Input Format**

First input consists of integer. Second input consists of integer. third input consists of character.

**Constraints**

No constraints

**Output Format**

print the calculation Value. if the symbol is not the arithmetic operator,print the statement is "Invalid Input".

**Sample Input 0**

3

4

+

**Sample Output 0**

Addition of two number is 7.0

**Sample Input 1**

8

9

&

**Sample Output 1**

Invalid Input

**Sample Input 2**

3

1

-

**Sample Output 2**

Subtraction of two number is 2.0

**Contest ends in 5 days**

**Submissions:**

[171](https://www.hackerrank.com/contests/control-statement-java/challenges/arithmetic-calculation-case-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       int a = sc.nextInt();

6

       int b = sc.nextInt();

7

       char op = sc.next().charAt(0);

8

       double result;

9

       switch (op) {

10

           case '+':

11

               result = a + b;

12

               System.out.println("Addition of two number is " + result);

13

               break;

14

           case '-':

15

               result = a - b;

16

               System.out.println("Subtraction of two number is " + result);

17

               break;

18

           case '\*':

19

               result = a \* b;

20

               System.out.println("Multiplication of two number is " + result);

21

               break;

22

           case '/':

23

               if (b == 0) {

24

                   System.out.println("Invalid Input");

25

              } else {

26

                   result = (double) a / b;

27

                   System.out.println("Division of two number is " + result);

28

              }

29

               break;

30

           case '%':

31

               if (b == 0) {

32

                   System.out.println("Invalid Input");

33

              } else {

34

                   result = a % b;

35

                   System.out.println("Modulo of two number is " + result);

36

              }

37

               break;

38

           default:

39

               System.out.println("Invalid Input");

40

      }

41

       sc.close();

42

  }

43

}

Line: 43 Col: 2

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

3

4

+

**Your Output (stdout)**

Addition of two number is 7.0

**Expected Output**

Addition of two number is 7.0

Q.

write a program to Check the given Number is Positive, Negative, or Zero

**Input Format**

Get one integer value

**Constraints**

no constraints

**Output Format**

print whether it is Positive, Negative, or Zero

**Sample Input 0**

0

**Sample Output 0**

zero

**Sample Input 1**

12

**Sample Output 1**

positive

**Contest ends in 5 days**

**Submissions:**

[189](https://www.hackerrank.com/contests/control-statement-java/challenges/check-number-is-positive-negative-or-zero-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       int num = sc.nextInt();

6

       if (num > 0) {

7

           System.out.println("positive");

8

      } else if (num < 0) {

9

           System.out.println("negative");

10

      } else {

11

           System.out.println("zero");

12

      }

13

       sc.close();

14

  }

15

}

16

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

Q.

Write a program to Check if given number is 3 -digit and find it is palindrome

**Input Format**

Get a input as a integer value

**Constraints**

only 3 digit number

**Output Format**

print palindrome or not or invalid input

**Sample Input 0**

121

**Sample Output 0**

palindrome

**Sample Input 1**

234

**Sample Output 1**

not palindrome

**Sample Input 2**

72

**Sample Output 2**

Invalid Input

**Contest ends in 5 days**

**Submissions:**

[165](https://www.hackerrank.com/contests/control-statement-java/challenges/check-if-given-number-is-palindrome/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       int num = sc.nextInt();

6

       if (num < 100 || num > 999) {

7

           System.out.println("Invalid Input");

8

      } else {

9

           int original = num;

10

           int rev = 0;

11

           while (num > 0) {

12

               rev = rev \* 10 + num % 10;

13

               num /= 10;

14

          }

15

           if (original == rev) {

16

               System.out.println("palindrome");

17

          } else {

18

               System.out.println("not palindrome");

19

          }

20

      }

21

       sc.close();

22

  }

23

}

24

​

Line: 24 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

121

**Your Output (stdout)**

palindrome

**Expected Output**

palindrome

[In](https://www.hackerrank.com/interview/interview-preparation-kit?utm_source=website&utm_medium=footer&utm_campaign=website)

Q.

Alice was bored that day,so she was sitting on the riverbank .Suddenly she notices a talking, White Rabbit with a pocket watch .It ran fast,and she followed it, down a rabbit hole .She fell into the hole and found a magical wonderland with dark trees, beautiful flowers.She found many ways numbered from 1,2,3,........18.she was confused which is the right way that will lead her to her home. She found a cute bird, standing in one of the tree. Alice asked the bird the way to go back to her home.The bird said a two digit number( say 23 ) and asked her to find the sum of its digits (2+3=5) and that numbered way will lead her to her home.Alice was already confused, so pls help Alice in finding the route to her home....

**Input Format**

Input consists of an integer corresponding to the 2-digit number.

**Constraints**

No Constraints

**Output Format**

Output consists of an integer corresponding to the sum of its digits. Refer sample input and output for formatting specifications.

**Sample Input 0**

23

**Sample Output 0**

Bird said:23

Alice must go in path-5

**Sample Input 1**

78

**Sample Output 1**

Bird said:78

Alice must go in path-15

**Contest ends in 5 days**

**Submissions:**

[158](https://www.hackerrank.com/contests/basic-statement-java/challenges/alice-in-wonderland-6-2/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.io.\*;

2

import java.util.\*;

3

​

4

public class Solution {

5

   public static void main(String[] args) {

6

       Scanner sc = new Scanner(System.in);

7

       int num = sc.nextInt();

8

9

       int digit1 = num / 10;   // First digit

10

       int digit2 = num % 10;   // Second digit

11

       int sum = digit1 + digit2;

12

13

       System.out.println("Bird said:" + num);

14

       System.out.println("Alice must go in path-" + sum);

15

  }

16

}

17

​

Line: 17 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

23

**Your Output (stdout)**

Bird said:23

Alice must go in path-5

**Expected Output**

Bird said:23

Alice must go in path-5

Q.

Vihaan wants to know how to find the area and perimeter of the triangle.could you please the help him to find it and implements in programming. \*\* 1. Area of triangle:-1/2\*b\*h 2. Perimeter of triangle:- sum of threeside.\*\*

**Input Format**

input consist of 5 integer First and second input corresponds to base and height. Third , Fourth and fifth are side of the triangle

**Constraints**

No Constraints

**Output Format**

print the area and perimeter of the triangle.

**Sample Input 0**

5

6

1

2

3

**Sample Output 0**

Area of Triangle is 15.00

Perimeter of Triangle is 6.00

**Sample Input 1**

12

6

5

12

13

**Sample Output 1**

Area of Triangle is 36.00

Perimeter of Triangle is 30.00

**Contest ends in 5 days**

**Submissions:**

[156](https://www.hackerrank.com/contests/basic-statement-java/challenges/area-and-perimeter-of-triangle-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.io.\*;

2

import java.util.\*;

3

​

4

public class Solution {

5

   public static void main(String[] args) {

6

       Scanner sc = new Scanner(System.in);

7

       double base = sc.nextDouble();

8

       double height = sc.nextDouble();

9

       double side1 = sc.nextDouble();

10

       double side2 = sc.nextDouble();

11

       double side3 = sc.nextDouble();

12

       double area = 0.5 \* base \* height;

13

       double perimeter = side1 + side2 + side3;

14

       System.out.printf("Area of Triangle is %.2f%n", area);

15

       System.out.printf("Perimeter of Triangle is %.2f%n", perimeter);

16

  }

17

}

18

​

Line: 13 Col: 50

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

5

6

1

2

3

**Your Output (stdout)**

Area of Triangle is 15.00

Perimeter of Triangle is 6.00

**Expected Output**

Area of Triangle is 15.00

Perimeter of Triangle is 6.00

Q.

Write the program to calculate the sum of the Fibonacci series between the range of the two values. The n is the start of the range value and m is the end of the range value. Finally, return the sum of the range value of the Fibonacci Series.

**Input Format**

Input consists of two integers.

**Constraints**

N is greater than equal to one and lesser than equal to 20

M is greater than equal to one and lesser than equal to 20

**Output Format**

The sum of the range value.

If the constraints are more than the input print the statement is "Invalid Input".

**Sample Input 0**

3

5

**Sample Output 0**

The Sum of Fibonacci value is 6.0

**Sample Input 1**

22

23

**Sample Output 1**

Invalid Input

**Contest ends in 5 days**

**Submissions:**

[169](https://www.hackerrank.com/contests/looping-statement-java/challenges/fibonacci-series-144-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       if (!sc.hasNextInt()) {

6

           System.out.println("Invalid Input");

7

           return;

8

      }

9

       int a = sc.nextInt();

10

       if (!sc.hasNextInt()) {

11

           System.out.println("Invalid Input");

12

           return;

13

      }

14

       int b = sc.nextInt();

15

​

16

       // Constraints check

17

       if (a < 1 || b < 1 || a > 20 || b > 20 || a > b) {

18

           System.out.println("Invalid Input");

19

           sc.close();

20

           return;

21

      }

22

​

23

       long f1 = 0, f2 = 1, sum = 0;

24

       for (int i = 1; i <= b; i++) {

25

           long term;

26

           if (i == 1) term = f1;

27

           else if (i == 2) term = f2;

28

           else {

29

               long fn = f1 + f2;

30

               f1 = f2;

31

               f2 = fn;

32

               term = fn;

33

          }

34

           if (i >= a) sum += term;

35

      }

36

​

37

       System.out.println("The Sum of Fibonacci value is " + String.format("%.1f", (double) sum));

38

       sc.close();

39

  }

40

}

41

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

3

5

**Your Output (stdout)**

The Sum of Fibonacci value is 6.0

**Expected Output**

The Sum of Fibonacci value is 6.0

Q.

write the program to print the Multiplication table for nth table and till n count.

**Input Format**

consdier one integer input

**Constraints**

1=>n<=9

**Output Format**

Multiplication table

**Sample Input 0**

5

**Sample Output 0**

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

**Sample Input 1**

11

**Sample Output 1**

Invalid Input

**Contest ends in 4 days**

**Submissions:**

[178](https://www.hackerrank.com/contests/looping-statement-java/challenges/multiplication-table-79-3/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

​

3

public class Solution {

4

   public static void main(String[] args) {

5

       Scanner sc = new Scanner(System.in);

6

7

       if (!sc.hasNextInt()) {

8

           System.out.println("Invalid Input");

9

           return;

10

      }

11

12

       int n = sc.nextInt();

13

14

       if (n < 1 || n > 9) {

15

           System.out.println("Invalid Input");

16

      } else {

17

           for (int i = 1; i <= n; i++) {

18

               System.out.println(n + " x " + i + " = " + (n \* i));

19

          }

20

      }

21

22

       sc.close();

23

  }

24

}

25

​

Line: 25 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

5

**Your Output (stdout)**

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

**Expected Output**

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

Q.

Find the sum of even number with the range

**Input Format**

Consider two integer input n and m

**Constraints**

n and m values greater than 0 and less than 30

**Output Format**

sum of even values

**Sample Input 0**

5

15

**Sample Output 0**

50

**Sample Input 1**

22

10

**Sample Output 1**

Invalid Input

**Contest ends in 4 days**

**Submissions:**

[168](https://www.hackerrank.com/contests/looping-statement-java/challenges/sum-of-even-number-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       if (!sc.hasNextInt()) {

6

           System.out.println("Invalid Input");

7

           return;

8

      }

9

       int n = sc.nextInt();

10

       if (!sc.hasNextInt()) {

11

           System.out.println("Invalid Input");

12

           return;

13

      }

14

       int m = sc.nextInt();

15

       if (n <= 0 || m <= 0 || n >= 30 || m >= 30 || n > m) {

16

           System.out.println("Invalid Input");

17

           return;

18

      }

19

       int sum = 0;

20

       for (int i = n; i <= m; i++) {

21

           if (i % 2 == 0) {

22

               sum += i;

23

          }

24

      }

25

       System.out.println(sum);

26

       sc.close();

27

  }

28

}

29

​

Line: 1 Col: 20

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

5

15

**Your Output (stdout)**

50

**Expected Output**

50

Q.

write a program to find the given 3- digit number is Armstrong number or not

**Input Format**

Input corresponds to the 3-digit Integer Number

**Constraints**

N>=100 <=999

**Output Format**

Yes or No

**Sample Input 0**

153

**Sample Output 0**

Yes

**Sample Input 1**

1245

**Sample Output 1**

No

**Contest ends in 4 days**

**Submissions:**

[163](https://www.hackerrank.com/contests/looping-statement-java/challenges/armstrong-number-or-not-13/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       if (!sc.hasNextInt()) {

6

           System.out.println("No");

7

           return;

8

      }

9

       int n = sc.nextInt();

10

       if (n < 100 || n > 999) {

11

           System.out.println("No");

12

           return;

13

      }

14

       int original = n;

15

       int sum = 0;

16

       while (n > 0) {

17

           int digit = n % 10;

18

           sum += digit \* digit \* digit;

19

           n /= 10;

20

      }

21

       if (sum == original) {

22

           System.out.println("Yes");

23

      } else {

24

           System.out.println("No");

25

      }

26

  }

27

}

Line: 27 Col: 2

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

153

**Your Output (stdout)**

Yes

**Expected Output**

Yes

Q.

write a program to read 2 digit number dynamically and swap digits and print the result

**Input Format**

once integer number of 2 digits

**Constraints**

it can be assumed that the input value will be such that there will be no zero as any of the 2 digits

**Output Format**

Calculated numerical output value,not other number message to be printed in the STDOUT.

**Sample Input 0**

21

**Sample Output 0**

12

**Sample Input 1**

123

**Sample Output 1**

21

**Sample Input 2**

14579

**Sample Output 2**

41

**Sample Input 3**

7

**Sample Output 3**

STDOUT

**Contest ends in 4 days**

**Submissions:**

[160](https://www.hackerrank.com/contests/looping-statement-java/challenges/swap-2-digit-number/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

​

3

public class Solution {

4

   public static void main(String[] args) {

5

       Scanner sc = new Scanner(System.in);

6

       if (!sc.hasNextInt()) {

7

           System.out.println("STDOUT");

8

           return;

9

      }

10

       String numStr = sc.next();

11

       if (numStr.length() < 2) {

12

           System.out.println("STDOUT");

13

           return;

14

      }

15

       char first = numStr.charAt(0);

16

       char second = numStr.charAt(1);

17

       System.out.println("" + second + first);

18

  }

19

}

20

​

Line: 20 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)
* [**Testcase 3**](https://www.hackerrank.com/#testcase4)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

21

**Your Output (stdout)**

12

**Expected Output**

12

Q.

write the program to Reverse a given number Using Looping statement

**Input Format**

get a user input as an integer value

**Constraints**

0< n >1000000000

**Output Format**

Reverse order of a number

**Sample Input 0**

1423

**Sample Output 0**

3241

**Sample Input 1**

-128

**Sample Output 1**

Invalid Input

**Sample Input 2**

987654321

**Sample Output 2**

123456789

**Contest ends in 4 days**

**Submissions:**

[153](https://www.hackerrank.com/contests/looping-statement-java/challenges/reverse-a-number-using-loop-1/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       if (!sc.hasNextLong()) {

6

           System.out.println("Invalid Input");

7

           return;

8

      }

9

       long n = sc.nextLong();

10

       if (n <= 0 || n > 1000000000) {

11

           System.out.println("Invalid Input");

12

           return;

13

      }

14

       long reversed = 0;

15

       while (n > 0) {

16

           long digit = n % 10;

17

           reversed = reversed \* 10 + digit;

18

           n /= 10;

19

      }

20

       System.out.println(reversed);

21

  }

22

}

Line: 22 Col: 2

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)
* [**Testcase 2**](https://www.hackerrank.com/#testcase3)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

1423

**Your Output (stdout)**

3241

**Expected Output**

3241

Q.

The rules for generating Collatz Sequence are:

If n is even: n = n / 2 If n is odd: n = 3n + 1 For example, if the starting number is 5 the sequence is:

5 -> 16 -> 8 -> 4 -> 2 -> 1 It has been proved that for almost all integers, the repeated application of the above rule will result in a sequence that ends at 1.

Given a positive integer, write a program to print this sequence and the number of times this rule needs to be applied in order to reach 1.

**Input Format**

Input consists of a positive integer.

**Constraints**

No constraints

**Output Format**

Print the numbers in the sequence, one per line and finally print the number of times the rule has to be applied in order to reach 1.

**Sample Input 0**

5

**Sample Output 0**

Enter a number

5

16

8

4

2

1

count:5

**Sample Input 1**

1

**Sample Output 1**

Enter a number

1

count:0

**Contest ends in 4 days**

**Submissions:**

[97](https://www.hackerrank.com/contests/looping-statement-java/challenges/collatz-sequence-7/leaderboard)

**Max Score:**

10

**Difficulty:**

Medium

**Rate This Challenge:**

More

1

import java.util.\*;

2

public class Solution {

3

   public static void main(String[] args) {

4

       Scanner sc = new Scanner(System.in);

5

       System.out.println("Enter a number");

6

       if (!sc.hasNextInt()) {

7

           System.out.println("Invalid Input");

8

           return;

9

      }

10

       int n = sc.nextInt();

11

       if (n <= 0) {

12

           System.out.println("Invalid Input");

13

           return;

14

      }

15

       int count = 0;

16

       int current = n;

17

       System.out.println(current);

18

       while (current != 1) {

19

           if (current % 2 == 0) {

20

               current = current / 2;

21

          } else {

22

               current = 3 \* current + 1;

23

          }

24

           System.out.println(current);

25

           count++;

26

      }

27

       System.out.println("count:" + count);

28

       sc.close();

29

  }

30

}

Line: 30 Col: 2

Run Code Submit Code

Upload Code as File

Test against custom input

* [**Testcase 0**](https://www.hackerrank.com/#testcase1)
* [**Testcase 1**](https://www.hackerrank.com/#testcase2)

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

5

**Your Output (stdout)**

Enter a number

5

16

8

4

2

1

count:5

**Expected Output**

Enter a number

5

16

8

4

2

1

count:5