

Test Summary

- No. of Sections: 1
- No. of Questions: 15
- Total Duration: 180 min

Section 1 - CODING

Section Summary

- No. of Questions: 15
- Duration: 180 min

Additional Instructions:

None

Q1. Problem statement:

Write a program to display a string in following format.

eg:
Input
Hi
Welcome
Output
Hi and Welcome

Input Format

The first line of the input consists of the string S1.
The second line of the input consists of the string S2.

Output Format

The output prints the string as given in the example.

Constraints

Strings only.

Sample Input

U

ME

Sample Output

U and ME

Sample Input

LOVE

LIVE

Sample Output

LOVE and LIVE

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q2. Problem Statement:

Write a Java program to get the integer values and print the same integer values.

Input Format

Input consists of a integer value

Output Format

Output consists of a integer value

Sample Input

26

Sample Output

26

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q3. Problem Statement:

Write a java program to print the floating point value.

Input Format

Input consists of one integer

Output Format

Output consists of floating point values with precisions

Sample Input

5.374675

Sample Output

5.375

5.37

5.4

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q4. Problem Statement:

Write a Java program to print the character value.

Input Format

Input consists of a character value

Output Format

Output consists of a character value

Sample Input

d

Sample Output

d

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q5.

Problem Statement:

Write a java program to convert the integer data type to float data type.

Input Format

Input consists of integer value

Output Format

output consists of float value

Sample Input

5

Sample Output

5.0

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q6.

Problem Statement:

Write a Java program to find the conversion of integer value to character value

Input Format

Input consists of integer value

Output Format

output consists of character value

Sample Input

101

Sample Output

e

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q7.

Problem Statement:

Write a program to find the conversion of character to integer value.

Input Format

Input consists of a character

Output Format

output consists of a integer value

Sample Input

s

Sample Output

115

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q8.

Customized Welcome Message

Nikhil, the founder of “Pine Tree” company wished to design an Event Management System that would let its Customers plan and host events seamlessly via an online platform.

As a part of this requirement, Nikhil wanted to write a piece of code for his company’s Examly Event Management System that will display customized welcome messages by taking Customers’ name as input. Help Nikhil on the task.

Input Format

First line of the input is a string that corresponds to a Customer’s name.

Output Format

Output should display the welcome message along with the Customer’s name.

Sample Input

Harry Potter

Sample Output

Hello Harry Potter ! Welcome to Examly Event Management System

Sample Input

Jarvis

Sample Output

Hello Jarvis ! Welcome to Examly Event Management System

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q9. **Problem statement:**
Write a simple code by declaring three variables where two variables are of integer type and one variable in double. Add the two integer variables and store the result in the remaining variable(double).

Input Format

Input to get two values n1 and n2 separated by single space.

Output Format

Display the result in double.

Sample Input

67 801

Sample Output

868.0

Sample Input

75 700

Sample Output

775.0

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q10. **Display Different Data Types**

Write a java program to get different types of data from the user and display the values.

Question Instructions:

1. Create a driver class named **Main**
2. The solution code should be written inside the main method() of the **Main** class

Input Format

First Line consists of an integer data
Second line consists of double data
Third Line consists of boolean value which is either true or false
Fourth line consists of a single character
Fifth line consists of a String input

Output Format

Refer the sample output

Sample Input

1
2.5
true
c
Sample

Sample Output

Integer value = 1
Double value = 2.5
Boolean value = true
char value = c
String value = Sample

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q11. **Event Details**
Be it a last-minute get-together, a birthday party or a corporate event, the "Pine Tree" Event Management Company helps you plan and execute it better and faster. Nikhil, the founder of the company wanted the Examly Event Management System to get and display the event details from his Customers for every new order of the Company.

Write a program that will get the input of the event details like name of the event, type of the event, number of people expected, a string value (Y/N) telling whether the event is going to be a paid entry and the projected expenses (in lakhs) for the event. The program should then display the input values as formatted output.

Question Instructions:

1. Create a driver class named **Main**.
2. The solution code should be written inside the main method() of the **Main** class

Input Format

First input is a string that corresponds to the name of the event.
Second input is a string that corresponds to the type of the event.
Third input is an integer that corresponds to the number of people expected for the event.
Fourth input is a character that corresponds to Y/N telling whether the event is going to be a paid entry or not.
Fifth input is a double value that corresponds to the projected expenses (in lakhs) for the event.

Output Format

Output should display the event details.
Refer sample input and output for formatting specifications

Sample Input

food fest 2017
public
500
y
1.5

Sample Output

Event Name : food fest 2017
Event Type : public
Expected Count : 500
Paid Entry : Y
Expense : 1.5

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q12. **Display Student's Detail**

Write a program to obtain and display the newly joined student name and age detail.

Question Instructions:

1. Create a driver class named **Main**.
2. The solution code should be written inside the main method() of the **Main** class

Input Format

First input is a string that corresponds to the name of the student
Second input is an integer that corresponds to the age of student

Output Format

Output should display the details as given in the sample output.
<name> age is <age>

Sample Input

Ram
23

Sample Output

Ram age is 23

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q13.

Play with Typecasting

Write a simple code by declaring three variables where two variables are of integer type and one variable is double. Multiply the two integer variables and store the result in the remaining variable(double).

Question Instructions:

1. Create a driver class named **Main**.

2. The solution code should be written inside the main method() of the **Main** class

Input Format

Input to get two values n1 and n2 separated by single space.

Output Format

Display the result in double.

Sample Input

67 801

Sample Output

53667.0

Sample Input

45 5

Sample Output

225.0

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q14.

Number of events

"Pine Tree" Company has signed up a big time Event Management deal from the Rotary Youth Club for a Trade Fair organized at Codissia Complex, wherein all startup companies in the Software industry are demonstrating their latest products and services and meet with industry partners and Customers.

Amphi Event Management System has to be modified to write a piece of code that will get the input of the number of events to be hosted for the Fair at Codissia from its users and display the same. Help the company to accomplish the requirement.

Input Format

First line of the input is an integer that corresponds to the number of events to be hosted at Codissia.

Output Format

Output should display the number of events to be hosted at Codissia.

Sample Input

50

Sample Output

Number of events hosted in Codissia is 50

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q15.

Total Expenses for the Event

The prime functionality of an Event Management System is budgeting. An Event Management System should estimate the total expenses incurred by an event and the percentage rate of each of the expenses involved in planning and executing an event. Nikhil, the founder of "Pine Tree" wanted to include this functionality in his company's Amphi Event Management System and requested your help in writing a program for the same. The program should get the branding expenses, travel expenses, food expenses and logistics expenses as input from the user and calculate the total expenses for an event and the percentage rate of each of these expenses.

Input Format

First input is a double value that corresponds to the branding expenses.
Second input is a double value that corresponds to the travel expenses.
Third input is a double value that corresponds to the food expenses.
Fourth input is a double value that corresponds to the logistics expenses.

Output Format

First line of the output should display the double value that corresponds to the total expenses for the Event.
Next four lines should display the percentage rate of each of the expenses.
Round off the output to two decimal digits.

Sample Input

20000
40000
15000
25000

Sample Output

Total expenses : Rs.100000.00
Branding expenses percentage : 20.00%
Travel expenses percentage : 40.00%
Food expenses percentage : 15.00%

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Answer Key & Solution

Section 1 - CODING

Test Case

Input

HAPPY
HOME

Output

HAPPY and HOME

Weightage - 10

Input

GREEN
ORANGE

Output

GREEN and ORANGE

Weightage - 10

Input

RAM
SITA

Output

RAM and SITA

Weightage - 10

Input

RAM
LEELA

Output

RAM and LEELA

Weightage - 10

Input

RED
BLUE

Output

RED and BLUE

Weightage - 10

Input

BLACK
WHITE

Output

BLACK and WHITE

Weightage - 10

Input

A
B

Output

A and B

Weightage - 20

Input

C
E

Output

C and E

Weightage - 20

Sample Input

U
ME

Sample Output

U and ME

Sample Input

LOVE
LIVE

Sample Output

LOVE and LIVE

Solution

```
import java.util.Scanner;
class Main {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        String N;
        N=sc.nextLine();
        String m;
        m=sc.nextLine();
        System.out.println(N +" and "+ m);
    }
}
```

Q2

Test Case

Input

Output

15	15
----	----

Weightage - 100

Sample Input

Sample Output

26	26
----	----

Solution

```
import java.util.*;
class Main
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        System.out.print(n);
    }
}
```

Q3

Test Case

Input

Output

26.28888	26.289 26.29 26.3
----------	-------------------------

Weightage - 100

Sample Input

Sample Output

5.374675	5.375 5.37 5.4
----------	----------------------

Solution

```
import java.util.*;
class Main
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        float n=s.nextFloat();
        System.out.printf("%.3f\n",n);
        System.out.printf("%.2f\n",n);
        System.out.printf("%.1f\n",n);
    }
}
```

Q4

Test Case

Input

Output

e

e

Weightage - 100

Sample Input

Sample Output

d

d

Solution

```
import java.util.*;
class Main
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        char a=s.next().charAt(0);
        System.out.print(a);
    }
}
```

Q5

Test Case

Input

Output

26

26.0

Weightage - 100

Sample Input

Sample Output

5

5.0

Solution

```
import java.util.*;
class Main
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        System.out.print((float)n);
    }
}
```

Q6

Test Case

Input

Output

100

d

Weightage - 100

Sample Input

Sample Output

101

e

Solution

```
import java.util.*;
class Main
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
```

Q7

Test Case

Input

a

Output

97

Weightage - 100

Sample Input

s

Sample Output

115

Solution

```
import java.util.*;
class Main
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        char a=s.next().charAt(0);
        System.out.print((int)a);
    }
}
```

Q8

Test Case

Input

Benny

Output

Hello Benny ! Welcome to Examly Event Management System

Weightage - 50

Input

Hermoine Granger

Output

Hello Hermoine Granger ! Welcome to Examly Event Management System

Weightage - 50

Sample Input

Harry Potter

Sample Output

Hello Harry Potter ! Welcome to Examly Event Management System

Sample Input

Jarvis

Sample Output

Hello Jarvis ! Welcome to Examly Event Management System

Solution

Solution 1

Main.java

```
import java.util.*;
class Main {
    public static void main(String [] args) {
        String name;
        Scanner sc= new Scanner(System.in);
        name = sc.nextLine();
        System.out.println("Hello "+name+ " ! Welcome to Examly Event Management System");
    }
}
```


Test Case

Input

Output

45 5	50.0
------	------

Weightage - 50

Input

Output

30 111	141.0
--------	-------

Weightage - 50

Sample Input

Sample Output

67 801	868.0
--------	-------

Sample Input

Sample Output

75 700	775.0
--------	-------

Solution

Solution 1

Main.java

```
import java.util.Scanner;
class Main{
    public static void main(String args[]){
        int x,y;
        double z;
        Scanner sc=new Scanner(System.in);
        x=sc.nextInt();
        y=sc.nextInt();
        z=x+y;
        System.out.println(z);
    }
}
```

Test Case

Input

Output

345654 34.4324223424 false c	Integer value = 345654 Double value = 34.4324223424 Boolean value = false char value = c
---------------------------------------	---

Weightage - 100

Sample Input

Sample Output

1 2.5 true c	Integer value = 1 Double value = 2.5 Boolean value = true char value = c
-----------------------	---

Solution

```
import java.util.Scanner;
class Main
{
    public static void main(String[] args)
    {
        Scanner s = new Scanner(System.in);
        int n1 = s.nextInt();
        double n2 = s.nextDouble();
        boolean n3 = s.nextBoolean();
        s.nextLine();
        char c = s.nextLine().charAt(0);
    }
}
```

```
String n4 = s.nextLine();
System.out.println("Integer value = " + n1 + "\nDouble value = " + n2 + "\nBoolean value = " + n3 + "\nchar value = " + c + "\nString value = " + n4);
}
}
```

Q11

Test Case

Input

Book Exhibition
public
250
N

Output

Event Name : Book Exhibition
Event Type : public
Expected Count : 250
Paid Entry : N

Weightage - 10

Input

Car Show
private
850
Y

Output

Event Name : Car Show
Event Type : private
Expected Count : 850
Paid Entry : Y

Weightage - 10

Input

Exhibition 2019
public
1000
Y

Output

Event Name : Exhibition 2019
Event Type : public
Expected Count : 1000
Paid Entry : Y

Weightage - 15

Input

Raw Materials 2018
private
150
N

Output

Event Name : Raw Materials 2018
Event Type : private
Expected Count : 150
Paid Entry : N

Weightage - 15

Input

Diamond Exhibition
private
20
Y

Output

Event Name : Diamond Exhibition
Event Type : private
Expected Count : 20
Paid Entry : Y

Weightage - 20

Input

Coding Contest
public
10500
N

Output

Event Name : Coding Contest
Event Type : public
Expected Count : 10500
Paid Entry : N

Weightage - 20

Input

Aptitude test
private
10
N

Output

Event Name : Aptitude test
Event Type : private
Expected Count : 10
Paid Entry : N

Weightage - 10

Sample Input

food fest 2017
public
500
Y

Sample Output

Event Name : food fest 2017
Event Type : public
Expected Count : 500
Paid Entry : Y

Solution

```
import java.util.*;
import java.io.*;
class Eventdetails {
    public static void main(String[] args) {
        String name,type;
        double expenses;
        int number;
        char entry;
        Scanner sc = new Scanner(System.in);
```

```
        name = sc.nextLine();
        type = sc.nextLine();
        number = sc.nextInt();
        entry = sc.next().charAt(0);
        expenses = sc.nextDouble();
        System.out.println("Event Name : "+name);
        System.out.println("Event Type : "+type);
        System.out.println("Expected Count : "+number);
        System.out.println("Paid Entry : "+entry);
        System.out.println("Projected Expense : "+expenses+"L");
    }
}
```

Q12

Test Case

Input

Karthick
24

Output

Karthick age is 24

Weightage - 10

Input

JAANU
34

Output

JAANU age is 34

Weightage - 10

Input

BaBu
56

Output

BaBu age is 56

Weightage - 10

Input

JoJo
90

Output

JoJo age is 90

Weightage - 15

Input

Rakshan
25

Output

Rakshan age is 25

Weightage - 15

Input

Shiva
20

Output

Shiva age is 20

Weightage - 20

Input

Ramya
30

Output

Ramya age is 30

Weightage - 20

Sample Input

Ram
23

Sample Output

Ram age is 23

Solution

```
import java.util.*;
class Main{
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        String name = sc.nextLine();
        int age= sc.nextInt();
        System.out.println(name+" age is "+age);
    }
}
```

Q13

Test Case

Input

30 111

Output

3330.0

Weightage - 30

Input

-2 -3

Output

6.0

Weightage - 10

Input

22 55

Output

1210.0

Weightage - 10

Input

90 20

Output

1800.0

Weightage - 10

Input

29 8

Output

232.0

Weightage - 10

Input

709 -67

Output

-47503.0

Weightage - 10

Input

222 222

Output

49284.0

Weightage - 10

Input

-89 56

Output

-4984.0

Weightage - 10

Sample Input

Sample Output

67 801	53667.0
--------	---------

Sample Input

Sample Output

45 5	225.0
------	-------

Solution

```
import java.util.Scanner;
class Main{
    public static void main(String args[]){
        int x,y;
        double z;
        Scanner sc=new Scanner(System.in);
        x=sc.nextInt();
        y=sc.nextInt();
        z=x*y;
        System.out.println(z);
    }
}
```

Q14

Test Case

Input	Output
30	Number of events hosted in Codissia is 30

Weightage - 100

Sample Input

Sample Output

50	Number of events hosted in Codissia is 50
----	---

Solution

```
import java.util.*;
import java.io.*;
class Main {
    public static void main(String [] args) {
        int number;
        Scanner sc = new Scanner(System.in);
        number = sc.nextInt();
        System.out.println("Number of events hosted in Codissia is " +number);
    }
}
```

Q15

Test Case

Input	Output
20000 40000 15000 25000	Total expenses : Rs.100000.00 Branding expenses percentage : 20.00% Travel expenses percentage : 40.00% Food expenses percentage : 15.00%

Weightage - 100

Sample Input

Sample Output

20000 40000 15000 25000	Total expenses : Rs.100000.00 Branding expenses percentage : 20.00% Travel expenses percentage : 40.00% Food expenses percentage : 15.00%
----------------------------------	--

Solution

```
import java.util.*;
import java.io.*;
import java.math.*;
import java.text.*;
class Main {
    public static void main(String [] args) {
        double branding,travel,food,logistics,sum = 0.00;
```

```
DecimalFormat d = new DecimalFormat("0.00");
Scanner sc=new Scanner(System.in);
branding = sc.nextDouble();
travel = sc.nextDouble();
food = sc.nextDouble();
logistics = sc.nextDouble();
sum = branding+travel+food+logistics;
System.out.println("Total expenses : Rs." +d.format(sum));
System.out.println("Branding expenses percentage : " +d.format((branding/sum)*100) +"%");
System.out.println("Travel expenses percentage : "+d.format((travel/sum)*100) +"%");
System.out.println("Food expenses percentage : "+d.format((food/sum)*100) +"%");
System.out.println("Logistics expenses percentage : "+d.format((logistics/sum)*100) +"%");
    }
}
```