1.Prob 1 : Write a program that takes an integer, then a string, then a char from the user and prints them in the screen.

Input: 2 Name y

Expected Output:

2

Name

y

ANS:import java.util.Scanner;

public class InputOutputExample {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter an integer: ");

int number = scanner.nextInt();

System.out.print("Enter a string: ");

String word = scanner.next();

System.out.print("Enter a character: ");

char character = scanner.next().charAt(0);

System.out.println();

System.out.println(number);

System.out.println(word);

System.out.println(character);

scanner.close();

}

}

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2.Prob 2: Write a program to check whether a triangle can be formed with the given values for the angles.

If sum of angles is equal to 180, then triangle can be formed, else it can't be formed.

Input: 45 45 45

Expected Output:

Triangle cannot be formed

Explanation -> We are getting 3 inputs, that is three angles of triangle, but here the sum of three angles that is 45+45+45 is not equal to 180 so Triangle cannot be formed is the output.

Ans:

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.println("enter input:");

int a=scanner.nextInt();

int b=scanner.nextInt();

int c=scanner.nextInt();

int tri=a+b+c;

if (tri == 180){

System.out.println("triangle can be formed");

}

else{

System.out.println("Triangle can't be formed");

}

}

}

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Prob 3:

Given mark of student, Print the Grade

Grade A if mark is greater than or equal to 90

Grade B if mark is greater than or equal to 80

Grade C if mark if greater than or equal to 60

Grade D if mark if greaer than or equal to 35

Fail if mark is lesser than 35

Input: 95

Expected Output:

Grade A

Explanation: Here 95 is greater than or equal to 90 so its Grade A

Ans:

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.println("enter input:");

int a=scanner.nextInt();

if (a >= 90){

System.out.println("Grade A");

}

else if(a>=80){

System.out.println("Grade B");

}

else if(a>=60)

{

System.out.println("Grade C");

}

else if(a>=35){

System.out.println("Grade D");

}

else{

System.out.println("fail");

}

}

}

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Prob 4: Write a program using switch case which takes a value and prints the respective Size.  
If size is 29 then its small

If size is 30 then its Medium

If size is 38 then its Large

If size is 42 then its XLarge

If size is not any of the above then Invalid.

Input: 29

Expected Output:

Small

ans:import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

System.out.println("enter input");

Scanner scan=new Scanner(System.in);

int size=scan.nextInt();

switch(size){

case 29:

System.out.println("Small");

break;

case 30:

System.out.println("Medium");

break;

case 38:

System.out.println("Large");

break;

case 42:

System.out.println("XLarge");

break;

default:

System.out.println("Invalid");

}

}

}

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Prob 1:

Write a program which takes two values x and y. Prints x for y number of times.

Input:

2

3

Expected Output

2

2

2

Explanation - 2 is x and 3 is y in the input. So 2 is printed 3 times on the output.

ans:import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

System.out.println("enter input:");

Scanner scanner=new Scanner(System.in);

int x=scanner.nextInt();

int y=scanner.nextInt();

for(int i=0;i<y;i++){

System.out.println(x);

}

}

}

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Prob 2:

Write a program to take x and print multiples of x till 1000.

Input:

100

Expected Output:

100

200

300

400

500

600

700

800

900

1000

Explanation - Input is 100, multiples of 100 is 100\*1, 100\*2, 100\*3 and so on till 1000.

ans:import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

System.out.println("enter input:");

Scanner scanner=new Scanner(System.in);

int x=scanner.nextInt();

for(int i=0;i\*x<=1000;i++){

System.out.println(i\*x);

}

}

}

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Prob 3:

Write a program to get firstName and lastName and n as input and print fullName that is firstName+lastName for n times.

Input

Nandy

Raja

5

Expected output:

NandyRaja

NandyRaja

NandyRaja

NandyRaja

NandyRaja

Explanation - Nandy is the firstName, Raja is the lastName and n is 5, so the expected output has NandyRaja printed 5 times.

ans:import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

System.out.println("enter input:");

Scanner scanner=new Scanner(System.in);

int x=scanner.nextInt();

String firstname=scanner.next();

String lastname=scanner.next();

String fullname=firstname+lastname;

//System.out.println(fullname);

for(int i=0;i<x;i++){

System.out.println(fullname);

}

}

}