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CECS 100

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HMW 5

**Java Code**

Code:

**import** java.util.Scanner;

**public** **class** hmw\_5 {

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

// **TODO** Auto-generated method stub

**int** num; //variable declaration

Scanner ME = **new** Scanner(System.***in***); //keyboard declaration

System.***out***.println("Please enter a number from 1-10 and it will convert to Roman Numerals");// Prompt for the user

num= ME.nextInt();// getting the number from the user

//start of if and else statement

**if** (num==1)

System.***out***.println("I");

**else** **if** (num==2)

System.***out***.println("II");

**else** **if** (num==3)

System.***out***.println("III");

**else** **if** (num==4)

System.***out***.println("IV");

**else** **if** (num==5)

System.***out***.println("V");

**else** **if** (num==6)

System.***out***.println("VI");

**else** **if** (num==7)

System.***out***.println("VII");

**else** **if** (num==8)

System.***out***.println("VIII");

**else** **if** (num==9)

System.***out***.println("IX");

**else** **if** (num==10)

System.***out***.println("X");

**else**

System.***out***.println("Error- Not in the Domain");

System.***out***.println("Thank for using my program");

//end of if and else statement

}//main end

}//class end

Multiple Outputs:

1. Please enter a number from 1-10 and it will convert to Roman Numerals

12

Error- Not in the Domain

Thank for using my program

1. Please enter a number from 1-10 and it will convert to Roman Numerals

4

IV

Thank for using my program

1. Please enter a number from 1-10 and it will convert to Roman Numerals

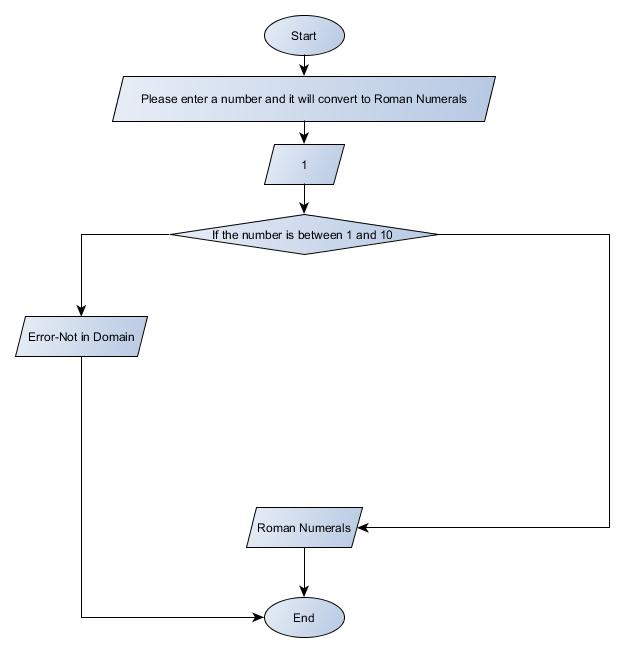
9

IX

Thank for using my program

**Tree Diagram:**

**Flow Chart:**

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