



Submitted to:

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By:

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# CLASS WORK

Write a program that asks the user to input a number (Either 1 or 2) if the input is 1 then the program will display list of odd numbers up to 100, if the input is 2 then the program will display list of even numbers and if the input is other number except 1 or 2 then the program will display error message.

## Code:

```
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {

        Scanner input = new Scanner (System.in);

        System.out.println("Roll No : 20BSCS024");

        System.out.println();

        System.out.print("Enter a number either 1 or 2 : ");

        int num = input.nextInt();

        if (num == 1)

        {

            for(int i=0;i<=100;i++)

            {

                if(i%2==1)

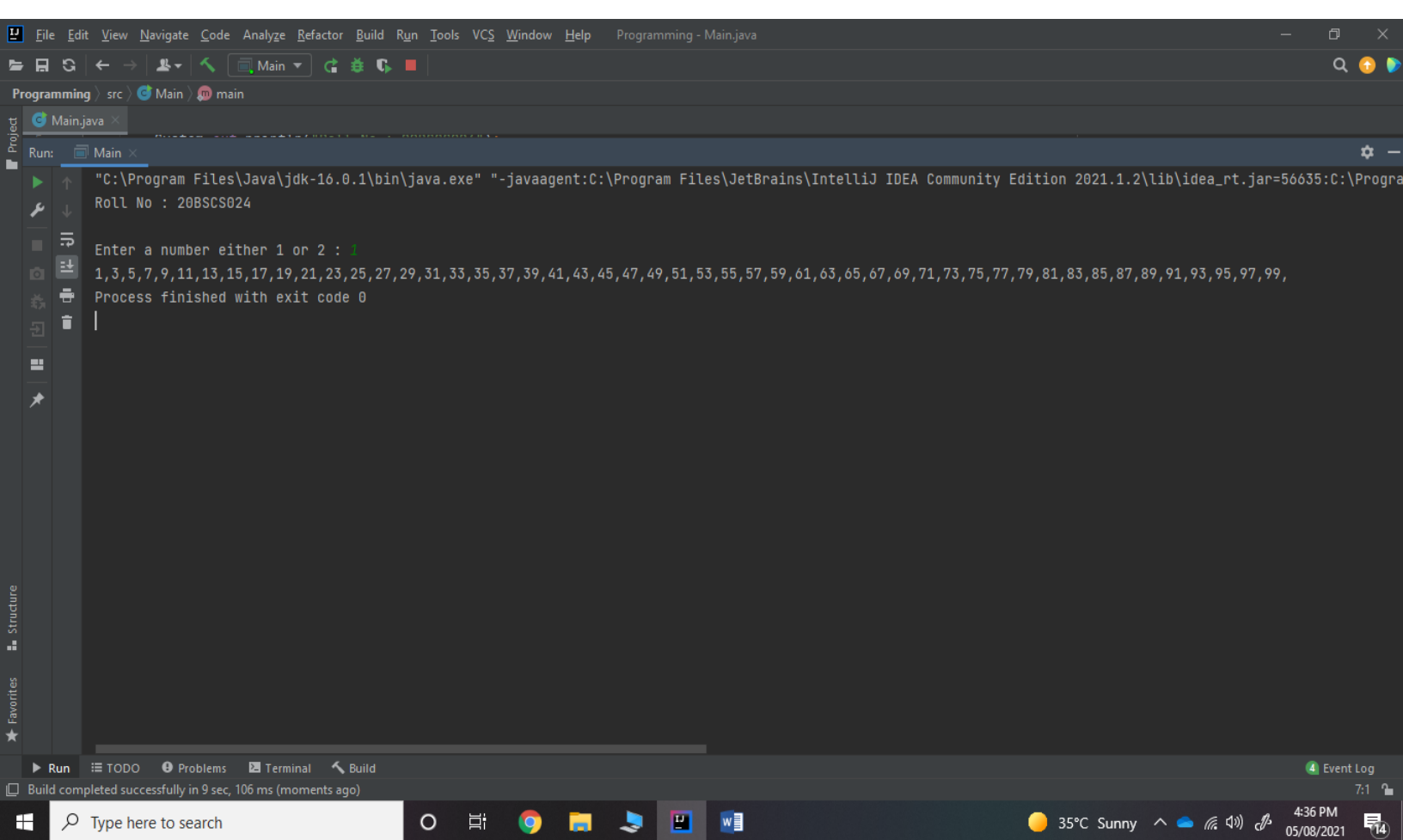
                {

                    System.out.print(i+",");
```

```
        }
    }
}
else if (num == 2)
{
    for(int j=0;j<=100;j++)
    {
        if(j%2==0)
        {
            System.out.print(j+",");
        }
    }
}
else
{
    System.out.println("Sorry! You have entered invalid number. Try Again!");
}
}
```

# Output:

## Result 1:



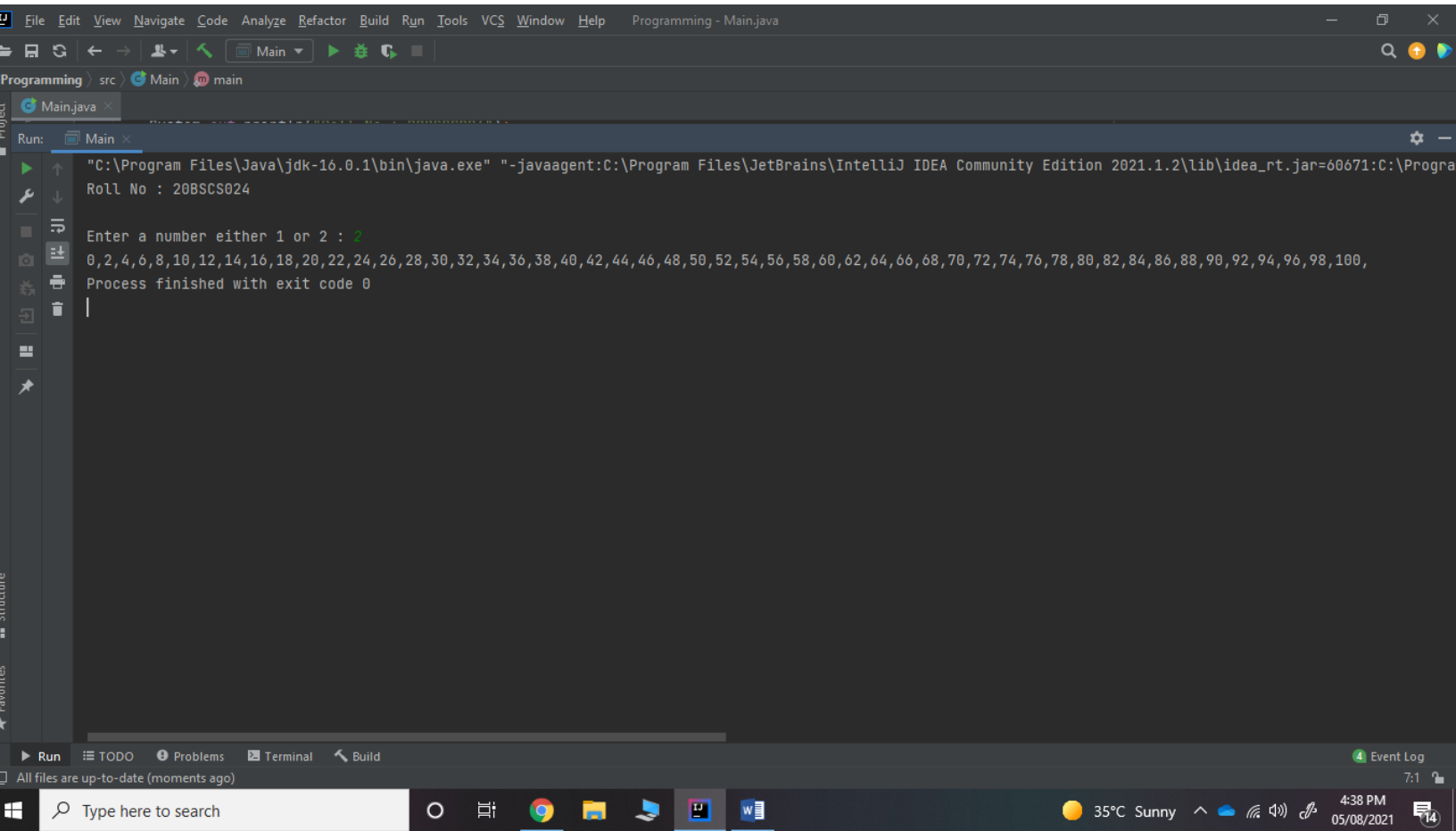
The screenshot shows the IntelliJ IDEA IDE interface. The top menu bar includes File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, and Help. The main editor area displays the source code of a Java program. The Run window at the bottom shows the execution output.

```
"C:\Program Files\Java\jdk-16.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.1.2\lib\idea_rt.jar=56635:C:\Progra
Roll No : 20BSCS024

Enter a number either 1 or 2 : 1
1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63,65,67,69,71,73,75,77,79,81,83,85,87,89,91,93,95,97,99,
Process finished with exit code 0
```

The Run window also shows a status bar at the bottom indicating "Build completed successfully in 9 sec, 106 ms (moments ago)". The Windows taskbar at the bottom shows the system clock as 4:36 PM on 05/08/2021, with a temperature of 35°C and a sunny weather forecast.

## Result 2:



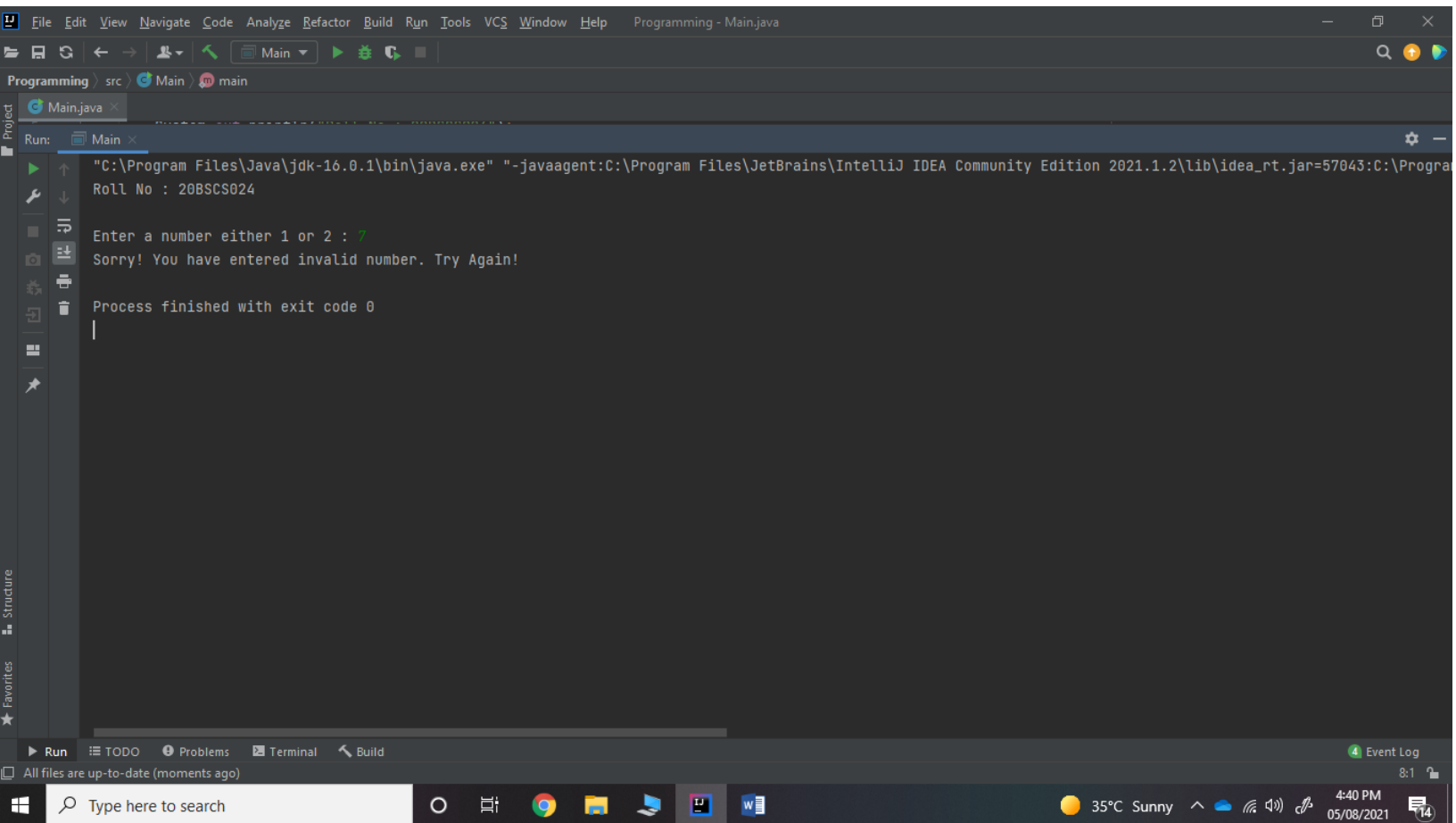
The screenshot shows the IntelliJ IDEA IDE interface. The top menu bar includes File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, and Help. The main editor area displays a Java file named Main.java. The Run console at the bottom shows the execution output:

```
"C:\Program Files\Java\jdk-16.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.1.2\lib\idea_rt.jar=60671:C:\Progra
Roll No : 20BSCS024

Enter a number either 1 or 2 : 2
0,2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50,52,54,56,58,60,62,64,66,68,70,72,74,76,78,80,82,84,86,88,90,92,94,96,98,100,
Process finished with exit code 0
```

The bottom status bar indicates that all files are up-to-date (moments ago). The Windows taskbar at the bottom shows the search bar, task view, and system tray with the date 05/08/2021 and time 4:38 PM.

## Result 3:



The screenshot shows the IntelliJ IDEA IDE with the 'Run' console open. The console output is as follows:

```
"C:\Program Files\Java\jdk-16.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.1.2\lib\idea_rt.jar=57043:C:\Progra
Roll No : 20BSCS024

Enter a number either 1 or 2 : 7
Sorry! You have entered invalid number. Try Again!

Process finished with exit code 0
```

The IDE interface includes a menu bar at the top with options like File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, and Help. The bottom status bar shows 'All files are up-to-date (moments ago)', a search bar, and system information including '35°C Sunny' and the date '05/08/2021'.

# THE END