

STUDENT NAME: GAIRE ANANTA PRASAD

STUDENTID: M24W0272

1. Program screenshot for find Rounding down Number and showing Output using Java programming Language. (Assignment)

The screenshot shows an IDE with a Java file named `RoundedDown.java`. The code is as follows:

```
1  /*
2  * GAIRE ANANTA PRASAD
3  * M24W0272
4  */
5
6  import java.util.Scanner;
7
8  public class RoundedDown {
9      public static void main(String[] args){
10         Scanner scannerM24W0272 = new Scanner(System.in);
11
12         //Promprt user for input
13         System.out.print(s:"Enter a decimal number: ");
14         double numberM24W0272 = scannerM24W0272.nextDouble();
15
16         //using truncation (flooring) to round down
17         int roundedDownM24W0272 = (int) numberM24W0272;
18
19         //Display the result
20         System.out.println("Rounded down: " + roundedDownM24W0272);
21
22         scannerM24W0272.close();
23     }
24 }
25
```

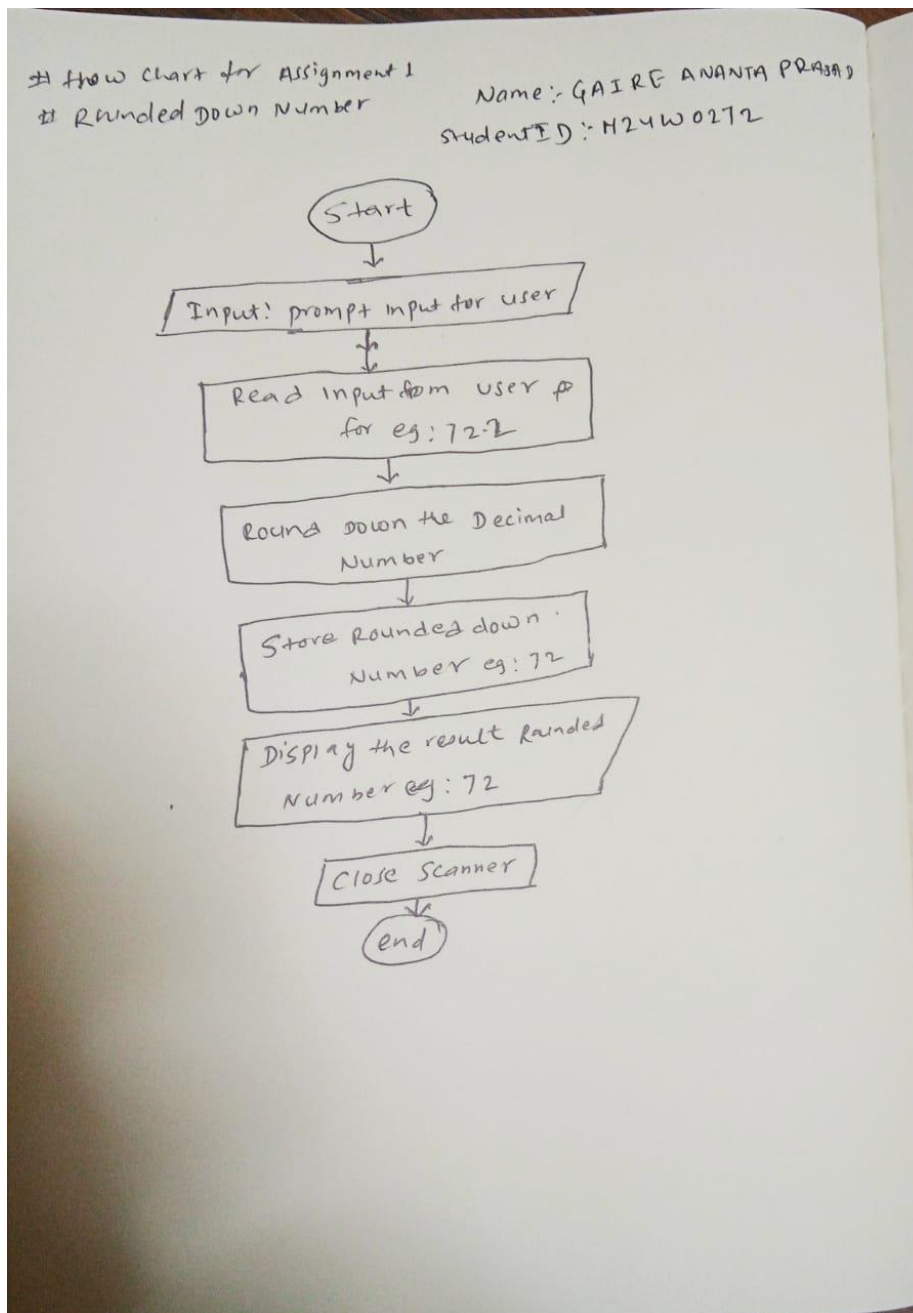
The terminal output shows the program execution:

```
pse Adoptium\jdk-17.0.10.7-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\gaire\AppData\Roaming\Code\User\workspaceStorage\c9ff8322bbc836dc0e92005c5cab87794\redhat.java\jdt_ws\Java_c3b3109e\bin' 'RoundedDown'
Enter a decimal number: 72.2
Rounded down: 72
PS D:\kcgil\Java>
```

STUDENT NAME: GAIRE ANANTA PRASAD

STUDENTID: M24W0272

2. Flow chart for the above Program "Rounded down Number"



STUDENT NAME: GAIRE ANANTA PRASAD
STUDENTID: M24W0272

3. Pseudocode for the above Program "Rounded down Number"

ASAD

* pseudocode for "Rounding Down Number"

Start:- Start the program to find Rounding down Number

Initialize:- create scanner object Name Scanner M24W0272

Read:- Read input from user (Scanner M24W0272) and
Store input in variable Named "number M24W0272"

Convert:- Convert the entered Number using "truncation"
and store the result in variable name
"Rounded Down M24W0272".

Print:- Display the result indicate the Rounded down Number

Close:- Close the scanner object

END:- End the process.

Name:- GAIRE ANANTA PRASAD

student ID:- M24W0272

STUDENT NAME: GAIRE ANANTA PRASAD
STUDENTID: M24W0272