**Student Information System**

You've been tasked with developing a Java program for managing student information. The program should allow users to input details for a student, including their name, age, and grade. Ensure that the age is a non-negative integer and the grade is a non-negative double. Once the details are entered, the program should display the student's information.

**Input format :**

The first line consists of a String that represents the name.

The second line consists of int which represents age.

The third line consists of a double that represents the grade.

**Output format :**

The Output should display the student's details.

**Sample test cases :**

**Input 1 :**

John Doe

25

85.5

**Output 1 :**

Student Details:

Name: John Doe

Age: 25

Grade: 85.5

**Input 2 :**

John Doe

-25

85.5

**Output 2 :**

Age must be a non-negative integer.

Student Details:

Name: John Doe

Age: 0

Grade: 85.5

**Input 3 :**

John Doe

25

-85.5

**Output 3 :**

Grade must be a non-negative double.

Student Details:

Name: John Doe

Age: 25

Grade: 0.0

**Input 4 :**

John Doe

-25

-85.5

**Output 4 :**

Age must be a non-negative integer.

Grade must be a non-negative double.

Student Details:

Name: John Doe

Age: 0

Grade: 0.0