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PBO Tugas 3

The image displays two screenshots of the Apache NetBeans IDE, showing the development and execution of a Java program named `Pbo_Tuags3.java`.

Top Screenshot: The code is in the `Source` tab. It defines a package `pbo_tuags3`, imports `java.util.Scanner`, and creates a public class `Pbo_Tuags3`. The `main` method uses a `Scanner` to take input from the user. It prompts for an NPM number and a grade. A `while` loop ensures the user provides a valid grade (between 0 and 100). A `switch` statement maps the grade to a letter grade (A, B, C, D, E) or a message if the grade is invalid.

```
package pbo_tuags3;
import java.util.Scanner;
public class Pbo_Tuags3 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        long npm = 2257051033;
        System.out.print("Input NPM Anda : ");
        while (true) {
            long n = input.nextLong();
            System.out.print("Input Nilai Anda : ");
            String huruf;
            if (n == npm) {
                int nilai = input.nextInt();
                if (nilai <= 100 && nilai >= 0) {
                    if (nilai >= 76) {
                        huruf = "A";
                    } else if (nilai >= 72) {
                        huruf = "B+";
                    } else if (nilai >= 66) {
                        huruf = "B";
                    } else if (nilai >= 62) {
                        huruf = "C+";
                    } else if (nilai >= 56) {
                        huruf = "C";
                    } else if (nilai >= 52) {
                        huruf = "D";
                    } else {
                        huruf = "E";
                    }
                } else {
                    continue;
                }
            }
            switch (huruf) {
```

Bottom Screenshot: The code is in the `Source` tab, showing the continuation of the `switch` statement. It adds more cases for the letter grades and a default case for invalid grades. The `switch` statement is completed with a `break;` statement.

```
                case "A":
                    System.out.println("Good");
                    break;
                case "B+":
                    System.out.println("Aman");
                    break;
                case "B":
                    System.out.println("Lumayan");
                    break;
                case "C+":
                    System.out.println("Masih Lumayan");
                    break;
                case "C":
                    System.out.println("yasudahlah");
                    break;
                case "D":
                    System.out.println("Bahaya");
                    break;
                case "E":
                    System.out.println("Nice TRY");
                }
            } else {
                System.out.println("npm salah");
                System.out.print("Masukkan NPM kemabli :");
                continue;
            }
        }
    }
}
```

The IDE interface includes a `Navigator` on the left, a `Run` button, and a `Output` window at the bottom. The status bar shows the temperature as 78°F and the time as 9:01 AM on 9/14/2023.

Output - Pbo_Tuags3 (run) X



run:



Input NPM Anda : 2257051033

Input Nilai Anda : 80



Good



BUILD SUCCESSFUL (total time: 21 seconds)

run:

Input NPM Anda : 213321

npm salah

Masukkan NPM kemabli :213

npm salah

Masukkan NPM kemabli :2133

npm salah

Masukkan NPM kemabli :||