

Main Code:

```
package project4;

/**
 * @author Blas K
 */
public class Project4 {

    public static void main(String[] args) {
        StudentClass person1 = new StudentClass();
        person1.set_name("Alice");
        person1.set_age(17);
        person1.set_gpa(85);

        StudentClass person2 = new StudentClass();
        person2.set_name("Adam");
        person2.set_age(3);
        person2.set_gpa(105);

        StudentClass person3 = new StudentClass();
        person3.set_name("Michael");
        person3.set_age(-18);
        person3.set_gpa(40);

        System.out.println(" ");

        person1.Display_info();
```

```
        person2.Display_info();
        person3.Display_info();
    }

}
```

Student File Code

```
package project4;

/**
 *
 * @author Blas K
 */
public class StudentClass {

    private String name;
    private int age;
    private int gpa;

    void set_name(String name1){
        name = name1;
    }

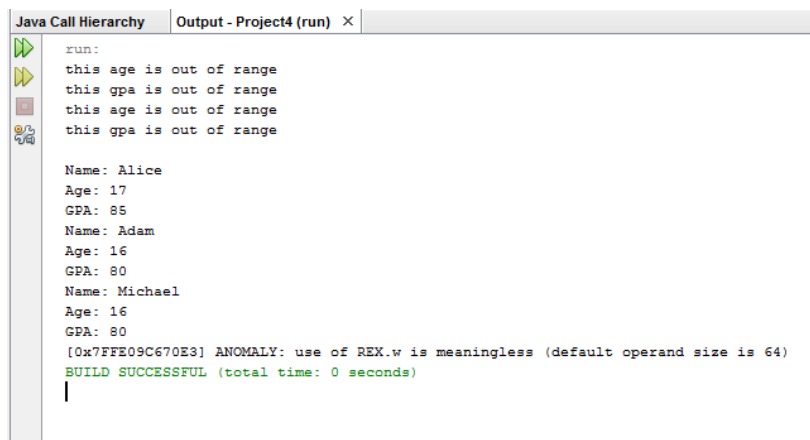
    void set_age(int age1){
        if(age1 >= 16 && age1 <= 20){
            age = age1;
        }
        else{
            System.out.println("this age is out of range");
            age = 16;
        }
    }
}
```

```
}  
}
```

```
void set_gpa(int gpa1){  
    if(gpa1 >= 50 && gpa1 <= 100){  
        gpa = gpa1;  
    }  
    else{  
        System.out.println("this gpa is out of range");  
        gpa = 80;  
    }  
}
```

```
void Display_info(){  
    System.out.println("Name: " + name);  
    System.out.println("Age: " + age);  
    System.out.println("GPA: " + gpa);  
}  
}
```

Output



The screenshot shows an IDE window titled "Output - Project4 (run)". The output text is as follows:

```
run:  
this age is out of range  
this gpa is out of range  
this age is out of range  
this gpa is out of range  
  
Name: Alice  
Age: 17  
GPA: 85  
Name: Adam  
Age: 16  
GPA: 80  
Name: Michael  
Age: 16  
GPA: 80  
[0x7FFE09C670E3] ANOMALY: use of REX.w is meaningless (default operand size is 64)  
BUILD SUCCESSFUL (total time: 0 seconds)  
|
```