Programa de Calificaciones – Actividad 09 de Noviembre 2023 – POO – Vistas – Alejandro Vaquera

Menú principal

C:\Windows\System32\cmd.exe - java grades.java

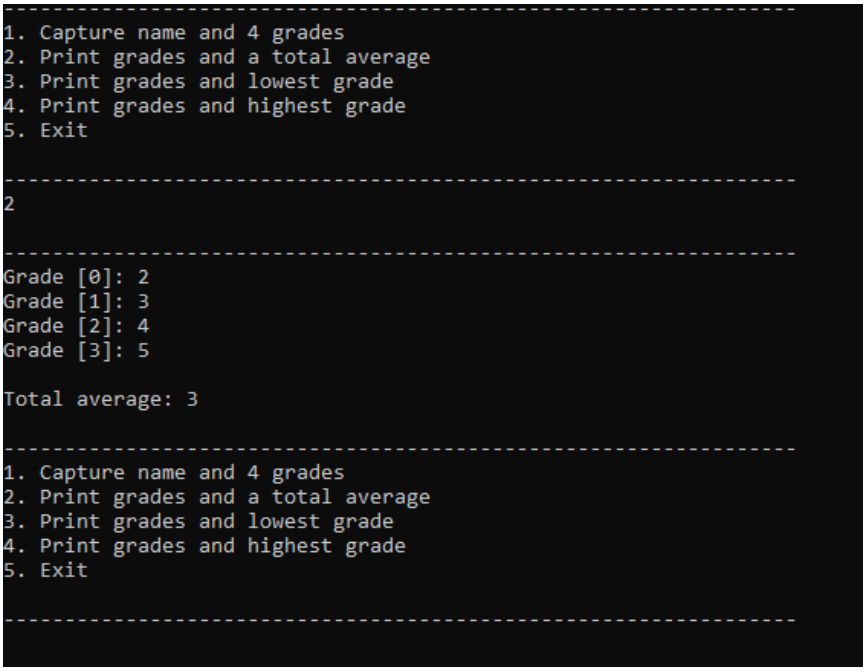
```
C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona>java grades.java

------------------------------------------------------------------
1. Capture name and 4 grades
2. Print grades and a total average
3. Print grades and lowest grade
4. Print grades and highest grade
5. Exit

------------------------------------------------------------------
```

OPC 1, captura de calificaciones

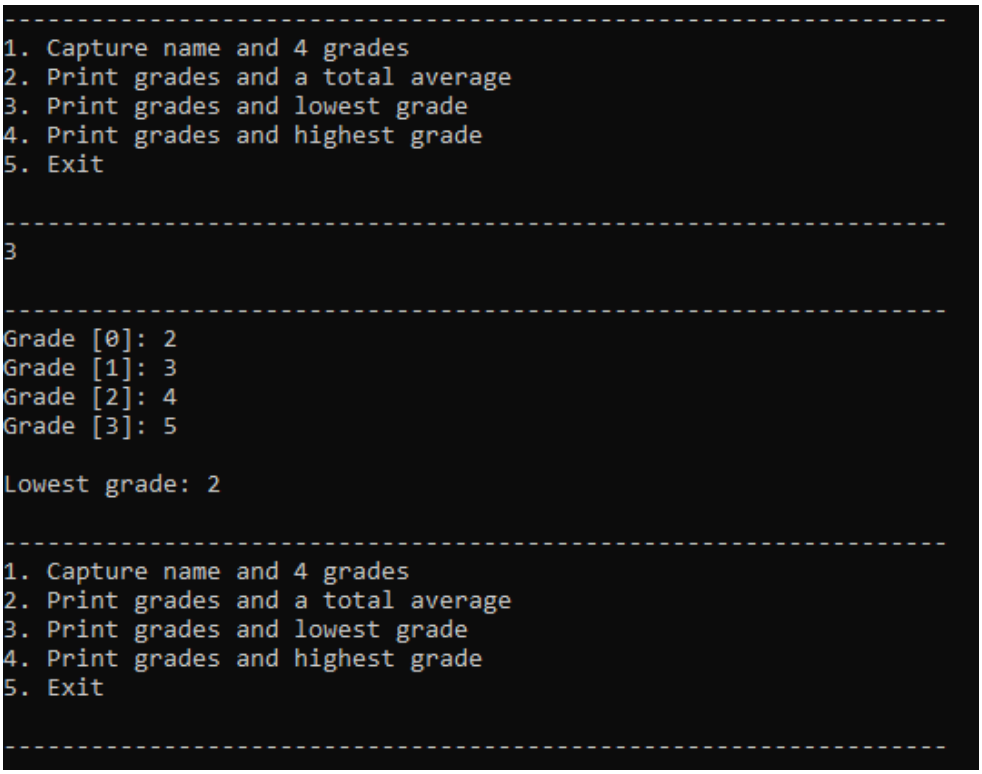
C:\Windows\System32\cmd.exe - java grades.java

```
C:\Users\Vacintosh\Documents\projects\POO-Claudia-tona>java grades.java

------------------------------------------------------------------
1. Capture name and 4 grades
2. Print grades and a total average
3. Print grades and lowest grade
4. Print grades and highest grade
5. Exit

------------------------------------------------------------------
1
Enter the grade [0]:
2
Enter the grade [1]:
3
Enter the grade [2]:
4
Enter the grade [3]:
5

------------------------------------------------------------------
1. Capture name and 4 grades
2. Print grades and a total average
3. Print grades and lowest grade
4. Print grades and highest grade
5. Exit

------------------------------------------------------------------
```

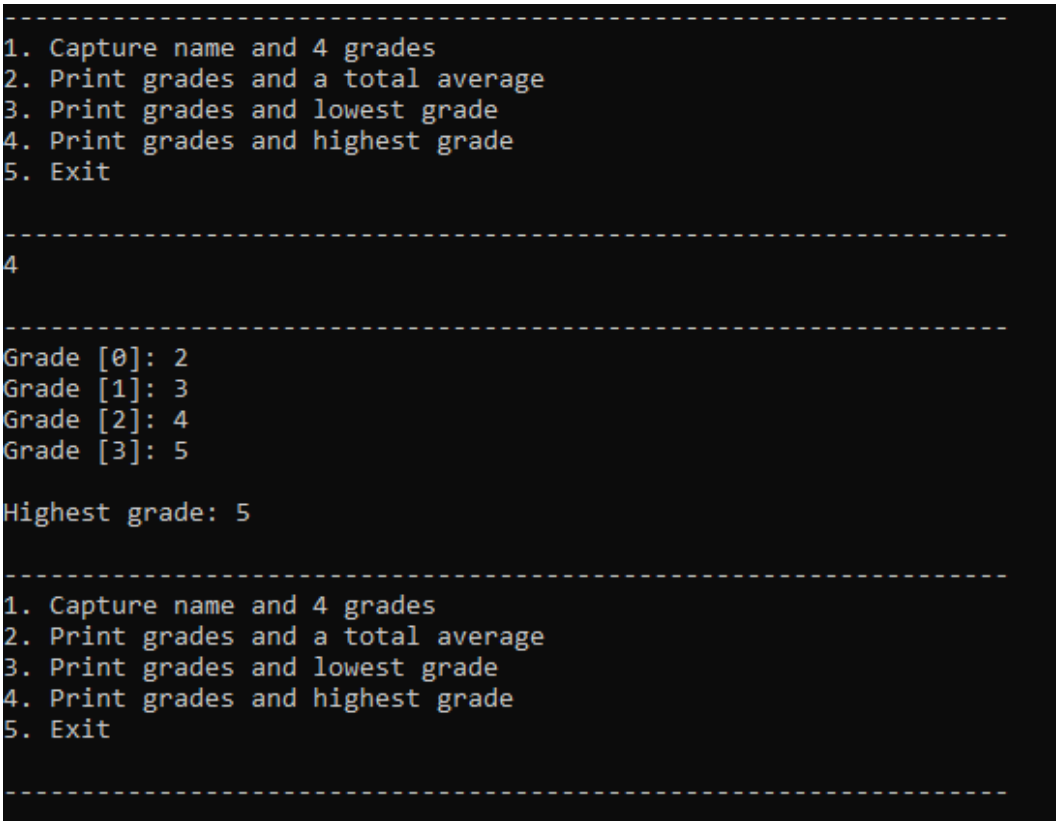
OPC 2, Promedio general de calificaciones



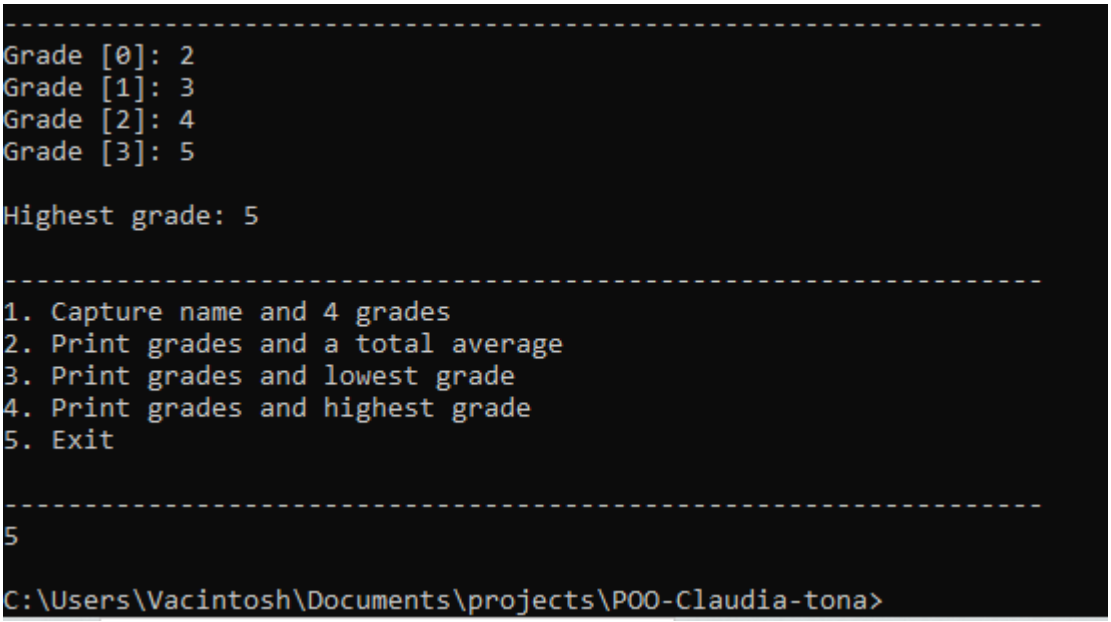
OPC 3, Calificaciones y calificación más baja



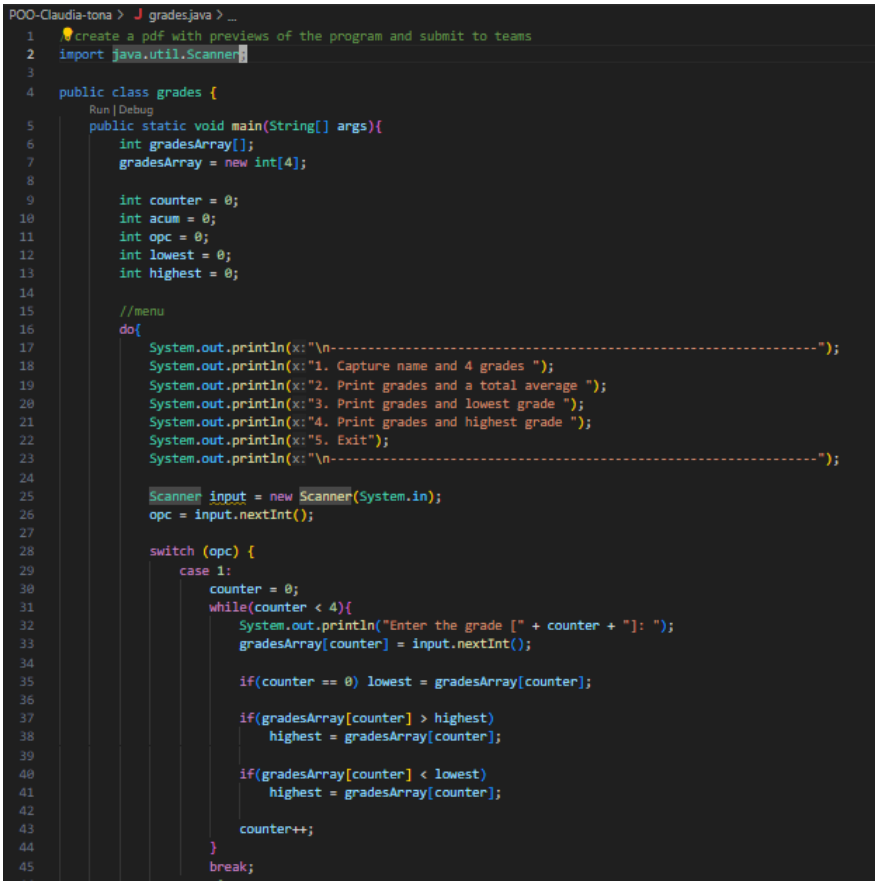
OPC 4, Calificaciones y calificación más alta



OPC 5, Salir del programa



Código fuente



```
POO-Claudia-tona > J grades.java > ...
1   //create a pdf with previews of the program and submit to teams
2   import java.util.Scanner;
3
4   public class grades {
        Run | Debug
5       public static void main(String[] args){
6           int gradesArray[];
7           gradesArray = new int[4];
8
9           int counter = 0;
10          int acum = 0;
11          int opc = 0;
12          int lowest = 0;
13          int highest = 0;
14
15          //menu
16          do{
17              System.out.println(x:"\n----------------------------------------------------------------");
18              System.out.println(x:"1. Capture name and 4 grades ");
19              System.out.println(x:"2. Print grades and a total average ");
20              System.out.println(x:"3. Print grades and lowest grade ");
21              System.out.println(x:"4. Print grades and highest grade ");
22              System.out.println(x:"5. Exit");
23              System.out.println(x:"\n----------------------------------------------------------------");
24
25              Scanner input = new Scanner(System.in);
26              opc = input.nextInt();
27
28              switch (opc) {
29                  case 1:
30                      counter = 0;
31                      while(counter < 4){
32                          System.out.println("Enter the grade [" + counter + "]: ");
33                          gradesArray[counter] = input.nextInt();
34
35                          if(counter == 0) lowest = gradesArray[counter];
36
37                          if(gradesArray[counter] > highest)
38                              highest = gradesArray[counter];
39
40                          if(gradesArray[counter] < lowest)
41                              highest = gradesArray[counter];
42
43                          counter++;
44                      }
45                      break;
```

```
46                  case 2:
47                      counter = 0;
48                      acum = 0;
49                      System.out.println(x:"\n----------------------------------------------------------------");
50                      while(counter < 4){
51                          System.out.println("Grade [" + counter + "]: " + gradesArray[counter]);
52                          acum += gradesArray[counter];
53                          counter++;
54                      }
55                          System.out.println("\nTotal average: " + (acum /= 4) );
56                      break;
57                  case 3:
58                      counter = 0;
59                      acum = 0;
60                      System.out.println(x:"\n----------------------------------------------------------------");
61                      while(counter < 4){
62                          System.out.println("Grade [" + counter + "]: " + gradesArray[counter]);
63                          acum += gradesArray[counter];
64                          counter++;
65                      }
66                          System.out.println("\nLowest grade: " + lowest );
67                      break;
68                  case 4:
69                      counter = 0;
70                      acum = 0;
71                      System.out.println(x:"\n----------------------------------------------------------------");
72                      while(counter < 4){
73                          System.out.println("Grade [" + counter + "]: " + gradesArray[counter]);
74                          acum += gradesArray[counter];
75                          counter++;
76                      }
77                          System.out.println("\nHighest grade: " + highest);
78                      break;
79                  default:
80                      break;
81              }
82          }while(opc != 5);
83      }
84  }
85
```