

CS 120 Project 3

Due Friday February 24

Project 3

- Implement a program that expects a sequence of grades as input and finds the number of passing grades, the number of failing grades and the average grade. The grades will be integers between 0 and 100 inclusive. The program will prompt the user to enter grades. The user should enter a -1 when all the grades have entered.
- Passing grades are those grades greater than 50. Failing grades are those grades less than or equal to 50.
- The average grade should be printed with 2 digits after the decimal point.

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Example Execution (user input shown in bold)

```
Enter a grade between 0 and 100 or -1 to quit: 83  
Enter a grade between 0 and 100 or -1 to quit: 92  
Enter a grade between 0 and 100 or -1 to quit: 34  
Enter a grade between 0 and 100 or -1 to quit: 76  
Enter a grade between 0 and 100 or -1 to quit: 57  
Enter a grade between 0 and 100 or -1 to quit: 100  
Enter a grade between 0 and 100 or -1 to quit: 50  
Enter a grade between 0 and 100 or -1 to quit: 66  
Enter a grade between 0 and 100 or -1 to quit: -1  
The number of passing grades is 6.  
The number of failing grades is 2.  
The average grade is 69.75.
```

Project 3 Guidelines

- You must write the code yourself
- The name of the class must be Grades and the file containing your program must be called Grades.java. Remember java is case sensitive.
- Include a comment describing the purpose of the program. The comment should include your name.
- You can ask questions of your classmates but you **MUST NOT** share code. If you have a question it is usually better to ask me.
- Use meaningful variable names and proper indentation.

Project 3 Submission

- Upload one zip file to Canvas. The zip file must contain only one file called Grades.java.
- The project is worth 15 points and must be submitted on time.