

CHRISTINE M. BALBIN  
BSIT-4A

## Activity 1 Finals

The screenshot shows a Microsoft Teams interface. On the left is a sidebar with navigation options: Activity, Chat (with a red notification bubble), Teams, Assignments, Home page, Class Notebook, Classwork, Grades, Reflect, and Channels (General). The main area is titled 'Assignments' and shows details for 'Activity 1 Finals'. The assignment is due on November 10, 2023, at 8:00 AM and closes at the same time. It has 'No points' assigned. The instructions state: 'Follow the fileformat for submission. -5 for those who doesn't follow.' Under 'Reference materials', there is a file named 'Activity 1 Finals.docx'. Under 'My work', there is a file named 'ELEC4\_4A\_BALBIN\_ACT1FINALS.docx'. A status bar at the top right indicates the assignment was 'Turned in Thu Nov 9, 2023 at 9:23 PM'.

Activity 1 Finals

Due November 10, 2023 8:00 AM • Closes November 10, 2023 8:00 AM

Points  
No points

Instructions  
Instruction:  
Follow the fileformat for submission.  
-5 for those who doesn't follow.

Reference materials

Activity 1 Finals.docx

My work

ELEC4\_4A\_BALBIN\_ACT1FINALS.docx

Turned in Thu Nov 9, 2023 at 9:23 PM



# Pangasinan State University

## Urdaneta City Campus

### Activity 1

#### Elective 4 (Special Topics on Web and Mobile 2)

Name: CHRISTINE M. BALBIN

Date: November 8, 2023

Points: 20

Write a program that do the following:

Task 1: Create an array `arrayOfScores`

Task 2: Create a function `askValues` which accepts only positive values terminated by 0 then add it to the array.

Task 3: Call the function `askValues`

Task 4: Iterate each array items and check the following

a) value is between or equal to 75-80 - print the value and "Grade: 3.00"

b) value is between or equal to 81 - 85 - print the value and "Grade: 2.50"

c) value is between or equal to 86 - 90- print the value and "Grade: 2.00"

d) value is between or equal to 91- 95- print the value and "Grade: 1.50"

e) value is between or equal to 96 - 100- print the value and "Grade: 1.00"

f) value is less than 75 - print the value and "Failed"

--Value greater than 75 is added to a list (Referring to `arrayOfScores`)

Task 5: Iterate the list to get the average. Print all the elements of the list and display the average.

Your code here....

```
# app.py

from mymodule import module

import array

# Task 1

arrayOfScores = array.array('d', []) # 'd' for double, to handle floating-point values

# Task 3

values = module.askValues()

# Task 4

for score in values:

    if 75 <= score <= 80:

        print(f"{score} - Grade: 3.00")

    elif 81 <= score <= 85:

        print(f"{score} - Grade: 2.50")

    elif 86 <= score <= 90:

        print(f"{score} - Grade: 2.00")

    elif 91 <= score <= 95:
```

```

        print(f"{score} - Grade: 1.50")

    elif 96 <= score <= 100:

        print(f"{score} - Grade: 1.00")

    elif score < 75:

        print(f"{score} - Failed")

    else:

        print(f"{score} - Valid grade is 75 to 100 only")

for val in values:    #checks if the current element (val) is greater than 75.

    if 75 <= val <= 100:

        arrayOfScores.append(val)

# adds only those greater than 75 and less than and equal to 100 to the arrayOfScores

# Task 5

average = sum(arrayOfScores) / len(arrayOfScores) if arrayOfScores else 0

# If arrayOfScores is empty, it returns 0

print("\nList of Scores:", arrayOfScores)

print("Average:", average)

```

```

# module.py

# Task 2

def askValues():

    values = []

    while True:

        try:

            value = float(input("Enter a positive number (Enter 0 to terminate): "))

            if value == 0:

                break

            elif value <= 0:

                print("Only positive values are allowed.")

            else:

                values.append(value)

        except ValueError:

            print("Invalid input. Please enter a numeric value.")

```

**Output:**

```
Enter a positive number (Enter 0 to terminate): 88
Enter a positive number (Enter 0 to terminate): 99
Enter a positive number (Enter 0 to terminate): 73
Enter a positive number (Enter 0 to terminate): 88
Enter a positive number (Enter 0 to terminate): 71
Enter a positive number (Enter 0 to terminate): 87
Enter a positive number (Enter 0 to terminate): 0
88.0 - Grade: 2.00
79.0 - Grade: 3.00
88.0 - Grade: 2.00
99.0 - Grade: 1.00
73.0 - Failed
88.0 - Grade: 2.00
71.0 - Failed
87.0 - Grade: 2.00

List of Scores: array('d', [88.0, 79.0, 88.0, 99.0, 88.0, 87.0])
Average: 88.16666666666667
```

# Activity

The screenshot displays the Microsoft Teams application window. The top navigation bar includes a search bar and user profile icons. The left sidebar shows the 'All teams' section with a blue square icon labeled 'EE' and a list of navigation options: Home page, Class Notebook, Classwork, Assignments (highlighted), Grades, Reflect, and Channels (General). The main content area is titled 'Assignments' and shows an assignment named 'Activity' due on November 30, 2023, at 11:59 PM. The assignment is worth 100 points. It includes a section for 'Reference materials' with a document titled 'Quiz 1 Finals.docx'. At the bottom, there is a 'My work' section with 'Attach' and 'New' options. A status bar at the top right indicates the assignment was turned in on Thursday, November 30, 2023, at 7:07 PM, with an 'Undo turn in' button.

< > Search

Activity Chat Teams Assignments Calls Calendar Files

< All teams

EE

2023202415 (IT-4A) ELEC 4

Home page  
Class Notebook  
Classwork  
Assignments  
Grades  
Reflect

Channels  
General

Assignments

< Back

Turned in Thu Nov 30, 2023 at 7:07 PM Undo turn in

**Activity**  
Due November 30, 2023 11:59 PM

Points  
100 points possible

Instructions  
None

Reference materials

Quiz 1 Finals.docx

My work  
Attach + New