

Task 1: Student Grade Calculator

Write a Python script to calculate the grade of a student based on the following criteria:

1. Input:

- Accept a student's name (string).
- Accept their marks in 3 subjects (integers or floats).

2. Processing:

- Calculate the average of the marks.
- Determine the grade based on the average:
 - A if average ≥ 90
 - B if $75 \leq \text{average} < 90$
 - C if $50 \leq \text{average} < 75$
 - F if average < 50

3. Output:

- Display the student's name, average marks, and grade.
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Task 2: Data Extraction and Type Conversion

You are given the following data in a dictionary:

```
data = {  
    "user": "John Doe",  
    "age": "29",  
    "marks": [85, 35, 78],  
    "is_graduate": "True"  
}
```

1. Extract and print:

- The name in uppercase.
- The age as an integer.
- The total of all marks.
- If any of the mark is below 35, then convert graduate to false
- Whether the person is a graduate as a boolean.

2. Use type conversion where necessary.

Task 3: Find the Largest Even Number

Write a program to find the largest even number from a list of numbers.

```
numbers = [12, 47, 18, 42]
```

1. Processing:

- Use conditionals to find the largest even number in the list.

2. Output:

- Display the largest even number.
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