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Self-Made Assignment - C Language

Union in C Language

Assignment Title: "Student Record using Union"

Assignment Question:

Write a C program to store and display **student information** using a union.
Your program should:

1. Create a union named StudentData with the following members:
 - o int rollNumber
 - o float marks
 - o char grade
2. Declare a variable of type StudentData.
3. Set values to each member one by one, and print the value **immediately** after assigning it.
4. Observe what happens when you assign a new value to another member (due to how unions share memory).

Instructions:

- Declare the union inside the program.
- Assign a value to one member and print it.
- Then assign a value to another member and print it.
- Continue for all members.

Output:

```
After assigning roll number: 101  
After assigning marks: 89.5  
After assigning grade: A
```