

9. Write a C Program – to use structure within union, display the structure and length of union elements.

```
#include <stdio.h>

struct hai
{
    char c;

    long l;

    char *p;
};

union bye
{
    char c;

    long l;

    char *p;
};

int main()
{
    struct hai myhai;

    union bye mybye;

    myhai.c = 1;

    myhai.l = 2L;

    myhai.p = "This is myhai";

    mybye.c = 1;

    mybye.l = 2L;

    mybye.p = "This is mybye";

    printf("myhai: %d %ld %s\n", myhai.c, myhai.l, myhai.p);

    printf("mybye: %d %ld %s\n", mybye.c, mybye.l, mybye.p);

    return 0;
}
```

Output:

 Save All  Compile  Cmd Input  Console Input  Run  Run Tests  Test Results  Clean  Submit Project  Submit Exercise

Run Completed

```
myhai: 1 2 This is myhai  
mybye: 98 94082905589602 This is mybye
```

Execution completed in 0.0027 seconds