

4) ~~Create~~ Create a union containing 6 strings : name; home_address, hostel_address, city, state and zip. Write a C program to display your present address.

⇒ #include <stdio.h>
union Address {

```
char name [50];  
char home_address [100];  
char hostel_address [100];  
(char city [50]);  
char state [50];  
char zip [10];
```

};

```
int main () {  
union Address addrs;  
printf ("Enter your present (hostel) address: ");  
scanf ("%[^\n]", addrs.hostel_address);  
printf ("\n --- Present Address ---\n");  
printf ("%s\n", addrs.hostel_address);  
return 0;
```

Remarks:

Teacher's Signature _____

programiz

Online Compiler

Program

The screenshot shows a web-based online compiler interface. On the left, the code editor window displays a C program named 'main.c'. The code defines a union 'Address' with fields for name, home address, hostel address, city, state, and zip. It then declares a variable 'addr' of type 'Address' and prints a prompt to enter the present (hostel) address. The user has entered 'UPES , BIDHOLI , DEHRADUN'. The output window shows the entered address and a success message. The interface includes standard file operations like Open, Save, and Share, and a Run button.

```
main.c
1 #include <stdio.h>
2
3 union Address {
4     char name[50];
5     char home_address[100];
6     char hostel_address[100];
7     char city[50];
8     char state[50];
9     char zip[10];
10 };
11
12 int main() {
13     union Address addr;
14
15     printf("Enter your present (hostel) address: ");
16     scanf("%[^\\n]", addr.hostel_address);
17
18     printf("\nPresent address ---\n");
19     printf("%s\n", addr.hostel_address);
20
21     return 0;
22 }
```

Output

Enter your present (hostel) address: UPES , BIDHOLI , DEHRADUN

Present address ---
UPES , BIDHOLI , DEHRADUN

== Code Execution Successful ==