

/* program to take Input or values of variables from user and then print them */

```
#include <stdio.h>
void main()
{
    int a;
    float b;
    char c;
    printf("Enter value for a = ");
    scanf("%d", &a);
    printf("Enter value for b = ");
    scanf("%f", &b);
    printf("Enter value for c = ");
    scanf("%c", &c);
    printf("Values entered by user are \n");
    printf(" a = %d", a);
    printf("\n b = %f", b);
    printf("\n c = %c", c);
}
```

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Output

```
Enter value for a = 10
Enter value for b = 6.010
Enter value for c = g
Values entered by user are
a = 10
b = 6.010
c = g
```

Explanation :-

- The new thing in this program is `scanf()` function which is used for taking input from user
- The user is asked an input a value for int, float and char.
- `&` sign which denotes the address of variables.
- So eg `scanf("%d", &a);`
In this we storing an integer value at address of variable a by using `&a`