Write a program in C to demonstrate how to handle the pointers in the program.

```
■ Console ×
                                                                                                                        Address of m : 0061FF18
Value of m : 29
unsigned int m = 29;
printf("Address of m : %p\n", &m);
printf("Value of m : %d\n", m);
                                                                                                                        Now ab is assigned with the address of m. AAddress of pointer ab: 0061FF18
printf("\nNow ab is assigned with the address of m. \n");
unsigned int *ab = &m;
printf("AAddress of pointer ab : %p\n", ab);
printf("Content of pointer ab : %d\n", *ab);
                                                                                                                        Content of pointer ab : 29
                                                                                                                        The value of m assigned to 34 now.
                                                                                                                        AAddress of pointer ab : 0061FF18
                                                                                                                        Content of pointer ab : 34
printf("\nThe value of m assigned to 34 now. \n");
m = 34;
printf("AAddress of pointer ab : %p\n", ab);
printf("Content of pointer ab : %d\n", *ab);
                                                                                                                        The pointer variable ab is assigned with the value 7 now.
                                                                                                                        Address of m : 0061FF18
                                                                                                                        Value of m : 7
printf("\nThe pointer variable ab is assigned with the value 7 now. \n");
*ab = 7;
printf("Address of m : %p\n", &m);
printf("Value of m : %d\n", m);
```

Write a program in C to print all the alphabets using a pointer. Go to the editor

Write a program in C to print a string in reverse using a pointer

Write a program in C to print the elements of an array in reverse order. Test Data:

```
/Write a program in C to print the elements of an array in reverse order. Test Data : include <stdio.h>
nt main() {
   int EArr;
printf("Input the number of elements to store in the array (max 15) : ");
   fflush(stdout);
   scanf("%d", &EArr);
                                                                                                                                           ☐ Console ×
   int elements[EArr];
int *Pelements = elements;
                                                                                             Input the number of elements to store in the array (max 15) : 5
                                                                                             element - 1 : 1
element - 2 : 2
   for (int i = 0; i < EArr; i++) {
    printf("element - %d : ", i + 1);</pre>
                                                                                             element - 3 : 3 element - 4 : 4
        fflush(stdout);
        scanf("%d", &elements[i]);
                                                                                             element - 5 : 5
                                                                                             The elements of array in reverse order are : element - 5 : 4214947
   printf("\nThe elements of array in reverse order are : ");
for (int j = EArr; j >= 0; j--) {
    printf("element - %d : %d\n",j, *(Pelements + j));
                                                                                             element - 4 : 5
                                                                                             element - 3 : 4
element - 2 : 3
                                                                                             element - 1 : 2
element - 0 : 1
```

Write a program in C to show a pointer to an array which contents are pointer to structure.

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