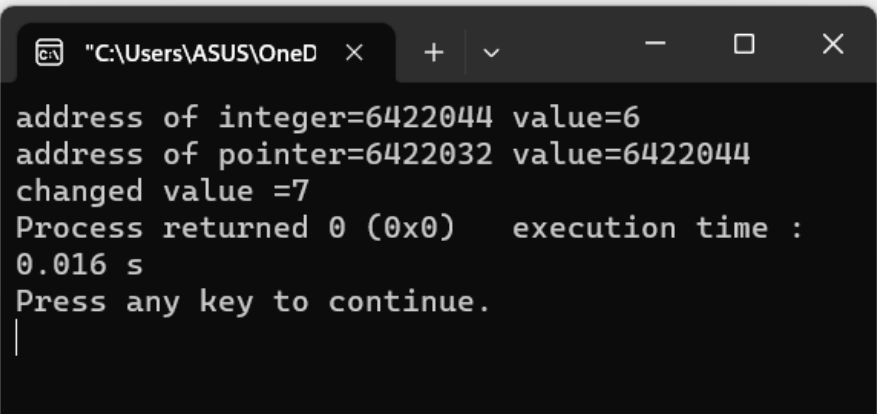


```
#include<stdio.h>
int main()
{
    int a;
    a=6;
    int *p;
    p=&a;
    printf("address of integer=%d value=%d\n",&a,a);
    printf("address of pointer=%d value=%d\n",&p,p);
    *p=7;
    printf("changed value =%d ",a);
}
```



```
"C:\Users\ASUS\OneD" × + ▾ − □ ×
address of integer=6422044 value=6
address of pointer=6422032 value=6422044
changed value =7
Process returned 0 (0x0) execution time :
0.016 s
Press any key to continue.
|
```

```

1  #include<stdio.h>
2  int main()
3  {
4      int a=1025;
5      int *p=&a;
6      char *q=&a;
7      printf("address of integer pointer variables =%d \n",&p);
8      printf("address of char pointer variables = %d\n",&q);
9      printf("dereference int pointer =%d\n",*p);
10     printf("dereference of char pointer = %d\n",*q);
11     printf("next address of int pointer=%d value =%d\n", (p+1), *(p+1));
12     printf("next address of char pointer=%d value =%d\n", (q+1), *(q+1));
13 }
14

```

```

"C:\Users\ASUS\OneDrive\De  X + v
address of integer pointer variables =6422032
address of char pointer variables = 6422024
dereference int pointer =1025
dereference of char pointer = 1
next address of int pointer=6422048 value =10818496
next address of char pointer=6422045 value =4

```

```

Process returned 0 (0x0)   execution time : 0.014 s
Press any key to continue.

```

```

1  #include<stdio.h>
2  int main()
3  {
4      int a;
5      scanf("%d",&a);
6      int *p=&a;
7      int **q=&p;
8      int ***r=&q;
9      printf("address of p=%d value =%d\n",&p,p);
10     printf("address of q=%d value =%d\n",&q,q);
11     printf("address of r=%d value =%d\n",&r,r);
12     printf("value of integer a=%d\n",*p);
13     printf("value of integer a=%d\n",**q);
14     printf("value of integer a=%d\n",***r);
15     *p=a+4;
16     printf("changing value of a =%d\n",*p);
17     printf("changing value of a =%d\n",**q);
18     printf("changing value of a =%d\n",***r);
19
20 }
21

```

```

"C:\Users\ASUS\OneDrive\De  X  +  v
6
address of p=6422032 value =6422044
address of q=6422024 value =6422032
address of r=6422016 value =6422024
value of integer a =6
value of integer a=6
value of integer a=6
changing value of a =10
changing value of a =10
changing value of a =10

Process returned 0 (0x0)   execution time : 2.186 s
Press any key to continue.
|

```

```

1  #include<stdio.h>
2  void a(int b,int *v1)
3  {
4      *v1=*v1+1;
5      printf("Implementation of call by value & ref: ");
6      printf("%d %d",b,*v1);
7  }
8  int main()
9  {
10     int x=6;
11     a(x,&x);
12 }
13

```

Implementation of call by value & ref: 6 7  
 Process returned 0 (0x0) execution time : 0.016 s  
 Press any key to continue.

```

1  #include<stdio.h>
2  int func(int a[])
3  {
4      int s=sizeof(a)/sizeof(a[0]);
5      return s;
6  }
7  int func1(int b[],int sz)
8  {
9
10     for(int i=0;i<sz;i++){
11         printf("%d ",*(b+i));
12     }
13 }
14 int main()
15 {
16     int a[]={1,3,4,5,6,7};
17     int s=sizeof(a)/sizeof(a[0]);
18     func(a);
19     printf("Actual elements passed = %d\n",func(a));
20     func1(a,s);
21 }
22

```

```

"C:\Users\ASUS\OneDrive\De" X + v - □ X
Actual elements passed = 2
1 3 4 5 6 7
Process returned 0 (0x0) execution time : 0.
031 s
Press any key to continue.

```

```

1  #include<stdio.h>
2  int main()
3  {
4      int a[]={1,3,4,5,6};
5      int *p;
6      p=a;
7      int size =sizeof(a)/sizeof(a[0]);
8      for(int i=0;i<size;i++){
9          printf("address=%d value=%d\n", (p+i), *(p+i));
10
11      }
12      printf("\n\n");
13      for(int i=0;i<size;i++){
14          printf("address=%d value=%d\n", &a[i], a[i]);
15
16      }
17  }

```

"C:\Users\ASUS\OneDrive\De X + v

```

address=6422000 value=1
address=6422004 value=3
address=6422008 value=4
address=6422012 value=5
address=6422016 value=6

```

```

address=6422000 value=1
address=6422004 value=3
address=6422008 value=4
address=6422012 value=5
address=6422016 value=6

```

Process returned 0 (0x0) execution time : 0.031 s  
Press any key to continue.

```

1  #include<stdio.h>
2  int func(int a[])
3  {
4      int s=sizeof(a)/sizeof(a[0]);
5      printf("Actual elements passed = %d\n",s);
6      printf("Iterate array by function without pass size= ");
7      for(int i=0;i<s;i++){
8          printf("%d ",a[i]);
9      }
10 }
11 int func1(int b[],int sz)
12 {
13     printf("\nIterate array by function with passing size= ");
14     for(int i=0;i<sz;i++){
15         printf("%d ",*(b+i));
16     }
17 }
18 int main()
19 {
20     int a[]={1,3,4,5,6,7};
21     int s=sizeof(a)/sizeof(a[0]);
22     func(a);
23     func1(a,s);
24 }
25

```

Actual elements passed = 2  
 Iterate array by function without pass size= 1 3  
 Iterate array by function with passing size= 1 3 4 5 6 7  
 Process returned 0 (0x0) execution time : 0.032 s  
 Press any key to continue.