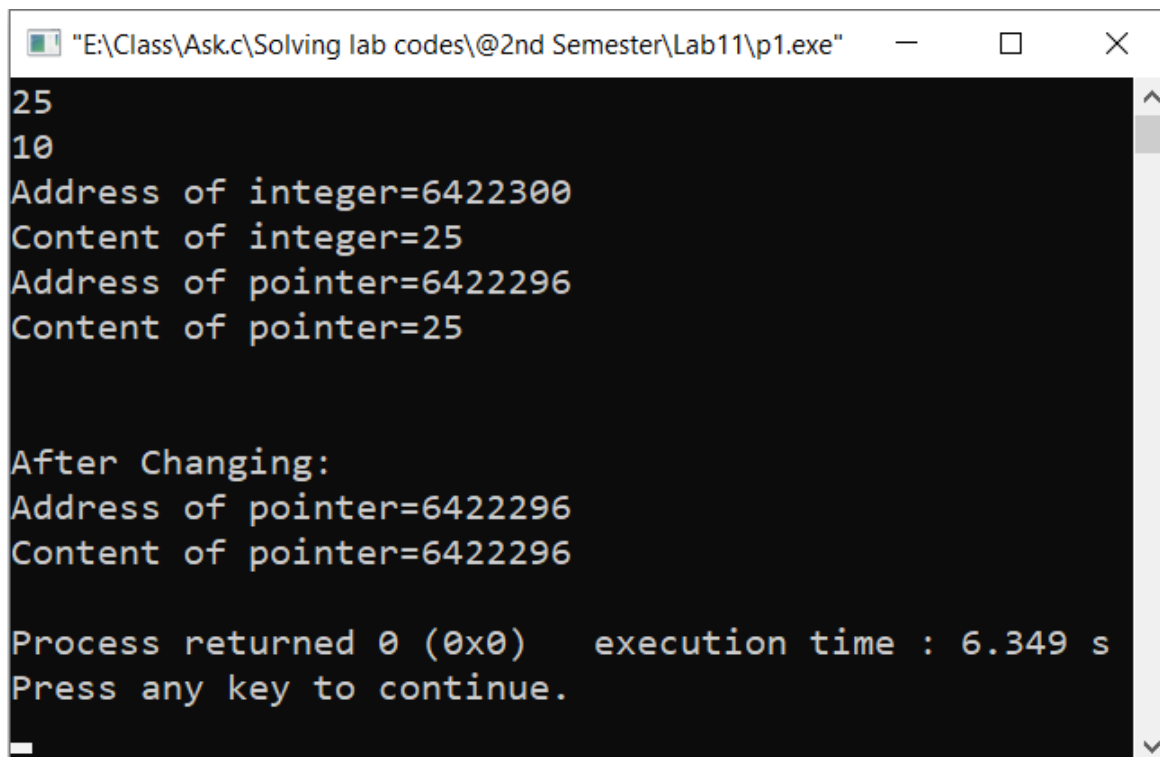


```

1  #include<stdio.h>
2  #include<string.h>
3  #include<stdlib.h>
4  #include<ctype.h>
5  #include<math.h>
6  #include<limits.h>
7  int main() {
8      int n, *p, a;
9      scanf("%d%d", &n, &a);
10     p=&n;
11     printf("Address of integer=%d\n", &n);
12     printf("Content of integer=%d\n", n);
13     printf("Address of pointer=%d\n", &p);
14     printf("Content of pointer=%d\n", *p);
15     *p=a;
16     printf("\n\nAfter Changing:\n");
17     printf("Address of pointer=%d\n", &p);
18     printf("Content of pointer=%d\n", *p);
19 }

```



```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab11\p1.exe"
25
10
Address of integer=6422300
Content of integer=25
Address of pointer=6422296
Content of pointer=25

After Changing:
Address of pointer=6422296
Content of pointer=6422296

Process returned 0 (0x0)   execution time : 6.349 s
Press any key to continue.

```

```

6   #include<stdio.h>
7   #include<string.h>
8   #include<stdlib.h>
9   #include<ctype.h>
10  #include<math.h>
11  #include<limits.h>
12  int main() {
13      int n=1025, *p;
14      p=&n;
15      char *q=&n;
16      printf("Address=%d\nValue=%d\n", p, *p);
17      printf("Address=%d\nValue=%d", q, *q);
18      printf("\n\nNext Value:\n");
19      printf("Address=%d\nValue=%d\n", p+1, *(p+1));
20      printf("Address=%d\nValue=%d", q+1, *(q+1));
21  }

```

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab11\p2.exe"
Address=6422292
Value=1025
Address=6422292
Value=1

Next Value:
Address=6422296
Value=6422292
Address=6422293
Value=4
Process returned 0 (0x0)   execution time : 0.082 s
Press any key to continue.

```

```

7  #include<stdio.h>
8  #include<string.h>
9  #include<stdlib.h>
10 #include<ctype.h>
11 #include<math.h>
12 #include<limits.h>
13 int main() {
14     int n, a, b, c;
15     scanf("%d%d%d%d", &n, &a, &b, &c);
16     int *p, **q, ***r;
17     p=&n;
18     q=&p;
19     r=&q;
20     printf("Address of Single pointer = %d\n", &p);
21     printf("Address of Double pointer = %d\n", &q);
22     printf("Address of Triple pointer = %d\n", &r);
23     printf("Single pointer's value = %d\n", *p);
24     printf("Double pointer's value = %d\n", **q);
25     printf("Triple pointer's value = %d\n", ***r);
26     *p=a;
27     printf("Updated value of integer variable = %d\n", n);
28     **q=b;
29     printf("Updated value of integer variable = %d\n", n);
30     ***r=c;
31     printf("Updated value of integer variable = %d\n", n);
32 }

```

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab1...
25
5
10
15
Address of Single pointer = 6422284
Address of Double pointer = 6422280
Address of Triple pointer = 6422276
Single pointer's value = 25
Double pointer's value = 25
Triple pointer's value = 25
Updated value of integer variable = 5
Updated value of integer variable = 10
Updated value of integer variable = 15

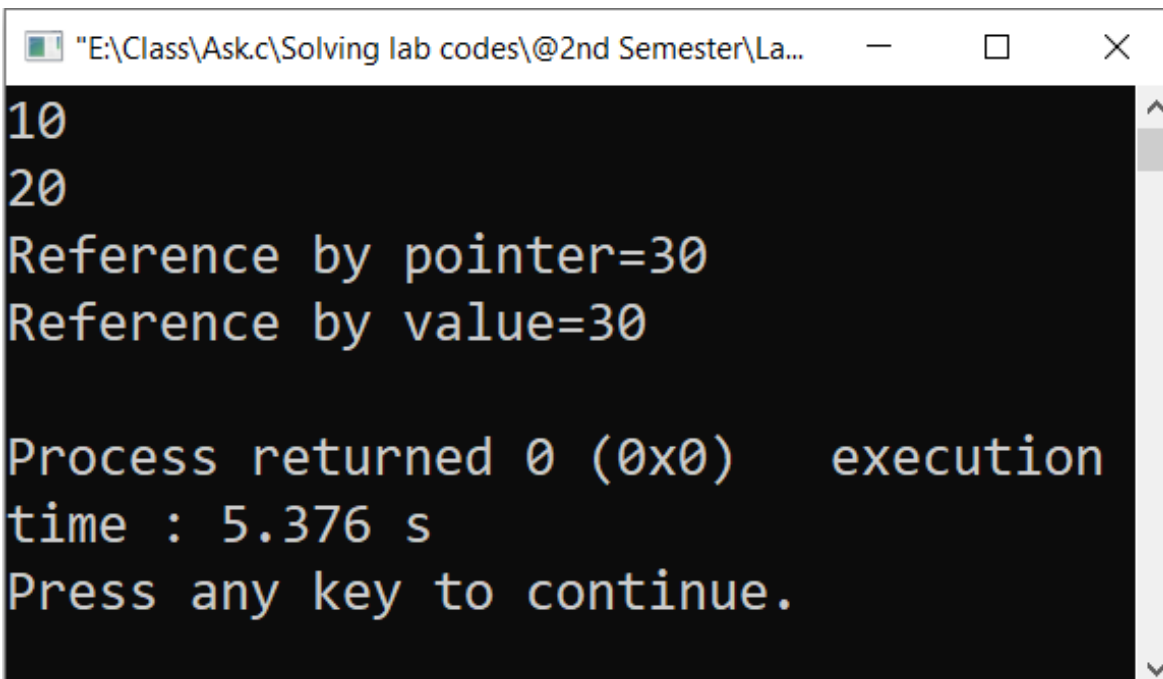
Process returned 0 (0x0)   execution time : 5.799 s
Press any key to continue.

```

```

4  #include <stdio.h>
5  #include<string.h>
6  #include<stdlib.h>
7  #include<ctype.h>
8  #include<math.h>
9  #include<limits.h>
10 int pointer(int a, int b){
11     int *p, *q;
12     p=&a;
13     q=&b;
14     return *p+*q;
15 }
16 int value(int a, int b){
17     return a+b;
18 }
19 int main(){
20     int n, m, b, c;
21     scanf("%d%d", &n, &m);
22     printf("Reference by pointer=%d\n", pointer(n, m));
23     printf("Reference by value=%d\n", value(n, m));
24 }

```



```

10
20
Reference by pointer=30
Reference by value=30

Process returned 0 (0x0)    execution
time : 5.376 s
Press any key to continue.

```

```

6   #include <stdio.h>
7   #include<string.h>
8   #include<stdlib.h>
9   #include<ctype.h>
10  #include<math.h>
11  #include<limits.h>
12  int array( int *arr, int size){
13      for(int i=0;i<size;i++) printf("%d ", arr[i]);
14
15  }
16  int main(){
17      int n;
18      scanf("%d", &n);
19      int arr[n];
20      for(int i=0; i<n; i++) scanf("%d", &arr[i]);
21      int elements = sizeof(arr)/sizeof(arr[0]);
22      // printf("%d ", elements);
23      array(arr, elements);
24  }

```

```

5
96 87 74 56 32
96 87 74 56 32
Process returned 0 (0x0)   execution
time : 8.050 s
Press any key to continue.

```

```

5     #include <stdio.h>
6     #include<string.h>
7     #include<stdlib.h>
8     #include<ctype.h>
9     #include<math.h>
10    #include<limits.h>
11    int array( int arr[], int size){
12        int *p;
13        for(int i=0; i<size; i++){
14            p=&arr[i];
15            printf("Address of %d is =%d\n", *p, p);
16        }
17        printf("\n\n");
18        for(int i=0; i<size; i++) printf("Address of index %d is =%d\n", i, &arr[i]);
19    }
20    int main(){
21        int n;
22        scanf("%d", &n);
23        int arr[n];
24        for(int i=0; i<n; i++) scanf("%d", &arr[i]);
25        int a=sizeof(arr)/sizeof(arr[0]);
26        array(arr, a);
27    }

```

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab11\p...
5
12 1 4 96 25
Address of 12 is =6422200
Address of 1 is =6422204
Address of 4 is =6422208
Address of 96 is =6422212
Address of 25 is =6422216

Address of index 0 is =6422200
Address of index 1 is =6422204
Address of index 2 is =6422208
Address of index 3 is =6422212
Address of index 4 is =6422216

Process returned 0 (0x0)   execution time : 20.587 s
Press any key to continue.

```

```

5     #include <stdio.h>
6     #include<string.h>
7     #include<stdlib.h>
8     #include<ctype.h>
9     #include<math.h>
10    #include<limits.h>
11    int array( int *arr, int size){
12        for(int i=0; i<size; i++) printf("%d ", arr[i]);
13    }
14    int main(){
15        int n;
16        scanf("%d", &n);
17        int arr[n];
18        for(int i=0; i<n; i++) scanf("%d", &arr[i]);
19        int a=sizeof(arr)/sizeof(arr[0]);
20        array(arr, a);
21    }

```

```

5
1 2 3 4 5
1 2 3 4 5
Process returned 0 (0x0)   execution
time : 13.117 s
Press any key to continue.

```