

```
1. /* 1. malloc() */
2.
3. #include <stdio.h>
4. #include <stdlib.h>
5.
6. int main()
7. {
8.     int i, n;
9.     printf("Enter the number of intergers: ");
10.    scanf("%d", &n);
11.    int* ptr = (int*)malloc(n * sizeof(int));
12.    if (ptr == NULL)
13.    {
14.        printf("Memory not available.");
15.        exit(1);
16.    }
17.    for (i = 0; i < n; i++)
18.    {
19.        printf("Enter an integer: ");
20.        scanf("%d", ptr + i);
21.    }
22.    for (i = 0; i < n; i++)
23.        printf("%d ", *(ptr + i));
24.    return 0;
25. }
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