

## Dynamic Array

```
#include <stdio.h>
#include <stdlib.h>
```

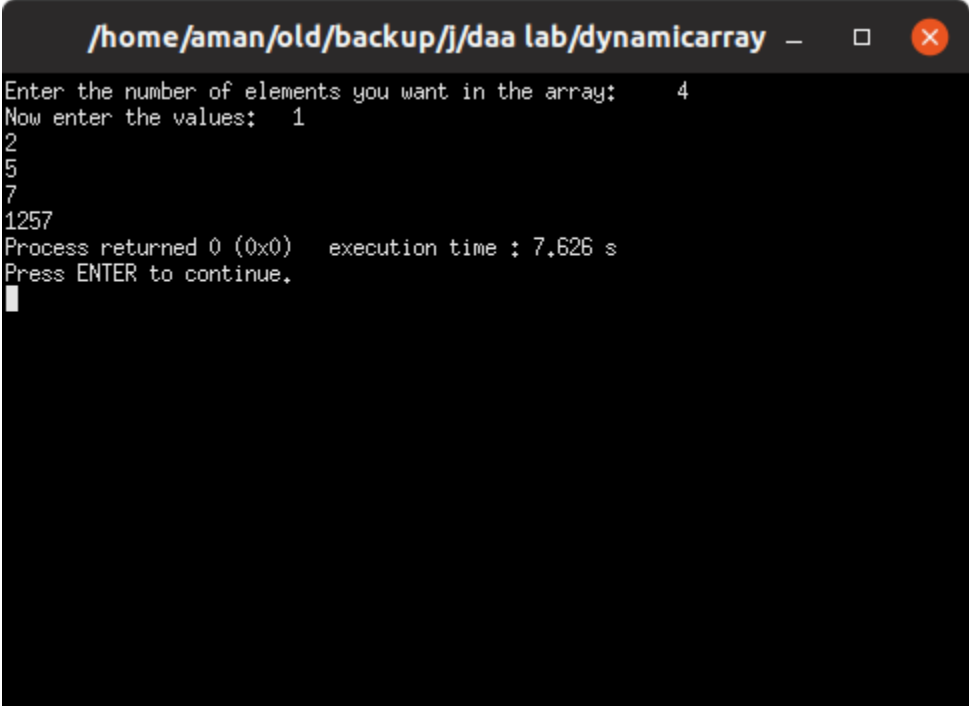
```
int main()
{
    int *ptr;
    int sum=0;
    int i;
    int n;
```

```
    printf("Enter the number of elements you want in the array: \t");
    scanf("%d",&n);
```

```
    ptr= (int*)calloc(n,sizeof(int));
```

```
    printf("Now enter the values:\t");
```

```
    for(i=0;i<n;i++)
    {
        scanf("%d",&ptr[i]);
    }
    for(i=0;i<n;i++)
    {
        printf("%d",ptr[i]);
    }
}
```

A terminal window with a dark background and light-colored text. The title bar at the top reads "/home/aman/old/backup/./daa lab/dynamicarray" followed by standard window control icons. The terminal output shows the program's execution: it prompts for the number of elements, receives '4', prompts for values, and receives '1', '2', '5', and '7'. It then displays the memory address '1257' and the execution time '7.626 s'. The prompt 'Press ENTER to continue.' is shown at the bottom with a cursor.

```
/home/aman/old/backup/./daa lab/dynamicarray - □ ×
Enter the number of elements you want in the array:    4
Now enter the values:  1
2
5
7
1257
Process returned 0 (0x0)   execution time : 7.626 s
Press ENTER to continue.
█
```