

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

```
int main() {
```

```
    int i, a-len;
```

```
    printf("Enter length of array:");
```

```
    scanf("%d", &a-len);
```

```
    int a-len a[a-len];
```

[variable length array]

```
    for(i=0; i < a-len; i++) {
```

```
        scanf("%d", &a[i]);
```

```
    }
```

```
    for(i=a-len-1; i >= 0; i--) {
```

```
        printf("%d", a[i]);
```

```
    }
```

```
}
```

as length is  
assigned by the  
user while and  
can be changed.

→ At the time of execution, we can decide the length of the array.

→ No need to choose the fixed length while writing the code.

→ Even arbitrary expressions are possible.

```
int a[3*i+5];
```

```
int a[k/7+2];
```

```
int a[i+j];
```

→ Variable length array cannot have static storage duration.

→ Variable length array doesn't have initializer.

①  
[ob fring] Now, consider a variable which will be used.

It is a variable which will be used.

i is a variable which

is used.