



SIMATS
ENGINEERING



SIMATS
Saveetha Institute of Medical And Technical Sciences
(Declared as Deemed to be University under Section 3 of UGC Act 1956)

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COURSE NAME : DATA STRUCTURES FOR MODERN COMPUTING SYSTEMS

COURSE CODE : CSA0302

11. WRITE A C PROGRAM TO DELETE AN ELEMENT IN AN ARRAY

C PROGRAMMING CODE:

```
#include <stdio.h>
int main() {
    int a[100], n, pos, i;
    printf("Enter n: ");
    scanf("%d", &n);
    for(i=0;i<n;i++) scanf("%d",&a[i]);
    printf("Enter position to delete: ");
    scanf("%d",&pos);
    for(i=pos-1;i<n-1;i++) a[i]=a[i+1];
    n--;
    for(i=0;i<n;i++) printf("%d ",a[i]);
}
```

OUTPUT:

main.c	Run	Output
<pre>1 #include <stdio.h> 2 int main() { 3 int a[100], n, pos, i; 4 printf("Enter n: "); 5 scanf("%d", &n); 6 for(i=0;i<n;i++) scanf("%d",&a[i]); 7 printf("Enter position to delete: "); 8 scanf("%d",&pos); 9 for(i=pos-1;i<n-1;i++) a[i]=a[i+1]; 10 n--; 11 for(i=0;i<n;i++) printf("%d ",a[i]); 12 } 13</pre>		<pre>Enter n: 4 30 50 60 40 Enter position to delete: 2 30 60 40 === Code Execution Successful ===</pre>