



**SIMATS**  
ENGINEERING



**SIMATS**  
Saveetha Institute of Medical And Technical Sciences  
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**COURSE NAME : DATA STRUCTURES FOR MODERN COMPUTING SYSTEMS**

**COURSE CODE : CSA0302**

## **11. WRITE A C PROGRAM TO UPDATE ELEMENT IN AN ARRAY**

### **C PROGRAMMING CODE:**

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

### **OUTPUT:**

main.c	Output
<pre>1 #include &lt;stdio.h&gt; 2 int main() { 3     int a[100], n, pos, val, i; 4     printf("Enter n: "); 5     scanf("%d",&amp;n); 6     for(i=0;i&lt;n;i++) scanf("%d",&amp;a[i]); 7     printf("Enter position &amp; new value: "); 8     scanf("%d%d",&amp;pos,&amp;val); 9     a[pos-1]=val; 10    for(i=0;i&lt;n;i++) printf("%d ",a[i]); 11 } 12</pre>	<pre>Enter n: 3 10 20 30 Enter position &amp; new value: 2 25 10 25 30  === Code Execution Successful ===</pre>