```c
// 7. Write a C program to implement Array operations such as Insert, Delete and Display
// INSERTION ;
#include<stdio.h>
int main()
{
 int a[100],n,s,i;
 printf("Enter size of array:\n");
 scanf("%d",&n);
 printf("Enter Elements into array:\n");
 for(i=0;i<n;i++)
 scanf("%d",&a[i]);
 printf("Enter the element to insert:");
 scanf("%d",&s);
 printf("Array Elements Before insertion:\n");
 for(i=0;i<n;i++)
 printf("%d\t",a[i]);
 for(i=n;i>=0;i--)
 a[i]=a[i-1];
 a[0]=s;
 printf("\nAfter Inserting:\n");
 for(i=0;i<=n;i++)
 printf("%d\t",a[i]);
 return 0;
}
```

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(globals)

Project Classes Debug

pgm-7 Array operations..insertion and deletion.cpp

```c
1    // 7. Write a C program to implement Array operations such as Insert, Delete and Display
2    // INSERTION ;
3    #include<stdio.h>
4    int main()
5    {
6        int a[100],n,s,i;
7        printf("Enter size of array:\n");
8        scanf("%d",&n);
9        printf("Enter Elements into array:\n");
10       for(i=0;i<n;i++)
11       scanf("%d",&a[i]);
12       printf("Enter the element to insert:");
13       scanf("%d",&s);
14       printf("Array Elements Before insertion:\n");
15       for(i=0;i<n;i++)
16       printf("%d\t",a[i]);
17       for(i=n;i>=0;i--)
18       a[i]=a[i-1];
19       a[0]=s;
20       printf("\nAfter Inserting:\n");
21       for(i=0;i<=n;i++)
22       printf("%d\t",a[i]);
23       return 0;
24   }
```

Terminal output:

```
C:\Users\Sumanth\Desktop\D

Enter size of array:
4
Enter Elements into array:
2
5
6
4
Enter the element to insert:1
Array Elements Before insertion:
2       5       6       4
After Inserting:
1       2       5       6       4
--------------------------------
Process exited after 13.12 seconds with return value 0
Press any key to continue . . .
```

Line: 20   Col: 33   Sel: 0   Lines: 24   Length: 583   Insert