B.SaiBharathi
192011224

DSA

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

static void display(int intArray[], int length){
   int i=0;
   printf("Array : [");
   for(i = 0; i < length; i++) {
      printf(" %d ", intArray[i]);
   }
   printf(" ]\n ");
}

int main() {
   int i = 0;
   int intArray[8];
   for ( i = 0; i < 8; i++ ) {
      intArray[ i ] = 0;
   }
   printf("Array with default data.");
   display(intArray,8);
   for(i = 0; i < 8; i++) {
      printf("Adding %d at index %d\n",i,i);
      intArray[i] = i;
   }
   printf("\n");
   printf("Array after adding data. ");
   display(intArray,8);
   int index = 5;
   intArray[index] = 10;
   printf("Array after updating element at index %d.\n",index);
   display(intArray,8);
   printf("Data at index %d:%d\n" ,index,intArray[index]);
   int value = 4;
   for(i = 0; i < 8; i++) {
      if(intArray[i] == value ){
         printf("value %d Found at index %d \n", intArray[i],i);
         break;
      }
   }
   return 0;
```

}

Project

```
C:\Users\Saibharathi\Documents\rsa.exe

Array with default data.Array : [ 0  0  0  0  0  0  0  0  ]
 Adding 0 at index 0
Adding 1 at index 1
Adding 2 at index 2
Adding 3 at index 3
Adding 4 at index 4
Adding 5 at index 5
Adding 6 at index 6
Adding 7 at index 7

Array after adding data. Array : [ 0  1  2  3  4  5  6  7  ]
 Array after updating element at index 5.
Array : [ 0  1  2  3  4  10  6  7  ]
 Data at index 5:10
value 4 Found at index 4

--------------------------------
Process exited after 0.02853 seconds with return value 0
Press any key to continue . . . _
```

Com...

Abort Compilation

☐ Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Saibharathi\Documents\rsa.exe
- Output Size: 129.1357421875 KiB
- Compilation Time: 0.16s

29°C
Rain to stop

ENG
IN

14:01
07-10-2022