

Green University of Bangladesh



Department of Computer Science and Engineering

Course Title : Data Structure lab Course Code : CSE 106

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CODE:

```
#include <stdio.h>
void get_binary_search_form_recursive(int arr[], int start, int end, int data)
           printf("==> %d is at %d position", data, start);
           get binary search form recursive(arr, start += 1, end, data);
       printf(" ==> %d is not found.", data);
int main()
```

```
printf("\tENTER ARRAY LENGTH\t:\t");
   printf("\n");
scanf("%d", &data);
if (arr[mid] == data)
   recurs = 0;
   printf("%d is at %d position", data, mid);
else if (data < arr[mid])</pre>
   start = 0;
   start = mid + 1;
```

```
end = arr_size - 1;
recurs = 1;

if (recurs)
{
    get_binary_search_form_recursive(arr, start, end, data);
}

return 0;
}
```

Output:

Output demo 1:

```
ENTER ARRAY LENGTH : 4

ENTER arr[0] : 1

ENTER arr[1] : 2

ENTER arr[2] : 3

ENTER arr[3] : 4

<>------>
data : 1

=> 1 is at 0 position
```

Output demo 2: