**Code 1:**

#include<stdio.h>

#include<unistd.h>

int main(int argc,char\* argv[],char\* env[])

{

int i,n,search,first,last,middle;

int b[5];

printf("\n No of Arguments in a are : %d\n",argc);

n=atoi(argv[1]);

printf("\n%d\n",n);

for(i=0;i<n;i++)

b[i]=atoi(argv[i+2]);

printf("Enter element to be searched");

scanf("%d",&search);

first=0;

last=n-1;

middle = (first+last)/2;

while (first <= last)

{

if (b[middle] < search)

first = middle + 1;

else if (b[middle] == search)

{

printf("%d found at location %d.\n", search, middle+1);

break;

}

else

last = middle - 1;

middle = (first + last)/2;

}

if (first > last)

printf("Not found! %d isn't present in the list.\n", search);

return 0;

}

**Code 2:**

#include<unistd.h>

#include<stdio.h>

pid\_t cpid;

char \*str[10];

int input[10],temp;

//={"a","4","10","20","30","40"};

int main(){

int n,i,j;

printf("Enter Nos to be sorted\n");

scanf("%d",&n);

str[0]="a";

asprintf(&str[1],"%d",n);

printf("Enter Elements ");

for(i=0;i<n;i++){

scanf("%d",&input[i]);

}

//bubble sort

for(i=0;i<n;i++)

{

for(j=0;j<(n-i-1);j++)

{

if(input[j]>input[j+1])

{

temp=input[j];

input[j]=input[j+1];

input[j+1]=temp;

}

}

}

printf("Sorted lements in ascending order:\n");

for(i=0;i<n;i++)

{

printf("%d\n",input[i]);

}

for(i=0;i<n;i++){

asprintf(&str[i+2],"%d",input[i]);

}

cpid= fork();

if(cpid == 0)

execve("a",str,NULL);

else

{

wait();

}

return 0;

}

**Output:**

****