**//EXECV**

#include<stdio.h>

#include<unistd.h>

#include<sys/types.h>

#include<stdlib.h>

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

pid\_t pid ,status;

char \*temp;

int x[argc-1];

for(int i=2;i<argc-1;i++){

for(int j=2;j<argc-i-1;j++){

if(atoi(argv[j])>atoi(argv[j+1])){

temp = argv[j];

argv[j] = argv[j+1];

argv[j+1] = temp;

}

}

}

for(int i=1;i<argc;i++){

printf("%s",argv[i]);

}

pid = fork();

if(pid == 0){

execv(argv[1],argv);

}

else{

wait(&status);

}

}

#include<stdio.h>

#include<unistd.h>

#include<sys/types.h>

#include<stdlib.h>

int binarySearch(int arr[],int l,int r,int x){

if(r>=l){

int mid=l+(r-l)/2;

if(arr[mid+1]==x)

return mid+1;

if(arr[mid+1]>x)

return binarySearch(arr,l,mid,x);

return binarySearch(arr,mid+2,r,x);

}

}

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

int status,n,x[argc-1];

int l,h;

for(int i=1;i<argc;i++){

x[i]=atoi(argv[i]);

}

printf("\nEnter number to be searched: ");

scanf("%d",&n);

int result = binarySearch(x,1,argc-1,n);

if(result == -1){

printf("\nElement no found");

}

else{

printf("\nElement found at index %d",result);

}

}

**OUTPUT**

janhavi@janhavi-VirtualBox:~$ **gcc a.c -o ./b.out**

a.c: In function ‘main’:

a.c:28:5: warning: implicit declaration of function ‘wait’ [-Wimplicit-function-declaration]

28 | wait(&status);

| ^~~~

janhavi@janhavi-VirtualBox:~$ **gcc b.c**

janhavi@janhavi-VirtualBox:~$ **./a.out ./b.out 7 3 2 9 1**

**Enter number to be searched: 2**

**Element found at index 4**