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child programm
#include<stdio.h>
#include<unistd.h>
#include<sys/wait.h>
void main(int argc,char*argv[])
  int c=0, first, last, middle, n, search, array[10];
 FILE*file;
 //printf("file name:%s",argv[1]);
 file= fopen(argv[1],"r");
  printf("\nfile name:%s\n",argv[1]);
while((fscanf(file,"%d",&array[c]))!=EOF)
   printf("\n%d",array[c]);
  }
 n=c;
  printf("\n enter value to find:");
  scanf("%d",&search);
  first=0;
  last=n-1;
  middle=(first+last)/2;
  while(first<=last)</pre>
 if(array[middle] < search)</pre>
   first=middle+1;
 else if(array[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 is not present in the list.\n", search);
parrent programm
#include<string.h>
#include<stdio.h>
#include<unistd.h>
#include<sys/wait.h>
#define MAX 25
  //forword quicksort
void quicksort(int qarr[], int,int);
void main(int argc,char*argv[])
```

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FILE* file;
     int pid, status;
   int merge[MAX],i,n,quick[MAX];
   char*newargv[]={NULL, "sort.txt", NULL};
   printf("enter the total number of elements:");
    scanf("%d",&n);
    printf("enter the elements which to be sort:");
     for (i=0; i<n; i++)</pre>
       scanf("%d", &merge[i]);
     for (i=0; i<n; i++)</pre>
    {
       quick[i]=merge[i];
    }
  newargv[0] = argv[1];
  pid=fork();
  if (pid==0)
   execve(argv[1],newargv,NULL);
 }
  else if(pid>0)
 {
  quicksort(quick,0,n-1);
  printf("\nsorted element by parent(quick sort):");
   file= fopen("sort.txt","w");
   if (file==NULL)
    printf("error: can't open file.\n");
 else
     printf("file open successfully.\n");
  for (i=0;i<n;i++)</pre>
   fprintf(file,"%d ",quick[i]);
  fclose(file);
  wait(&status);
  else
    printf("\nerror.\n");
void quicksort(int x[10],int first,int last){
 int pivot,j,temp,i;
  if(first<last) {</pre>
   pivot=first;
   i=first;
   j=last;
   while(i<j)</pre>
{
```

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while (x[i] <= x[pivot] &&i < last)</pre>
     while (x[j] > x[pivot])
     j--;
     if(i<j){
         temp=x[i];
         x[i]=x[j];
         x[j]=temp;
     }
      temp=x[pivot];
      x[pivot]=x[j];
      x[j]=temp;
       quicksort(x, first, j-1);
        quicksort(x,j+1,last);
OUTPUT: -
[root@localhost ~]# ls
sandesh45
anaconda-ks.cfg
bitnami-owncloud-6.0.3-0-module-linux-x64-installer.run
bitnami-owncloud-6.0.3-0-module-linux-x64-installer.run.part
Desktop
Documents
Downloads
ml
Music
[root@localhost Documents]# gcc sandesh13.c -
   p [root@localhost
                           Documents]#
sandesh11.c -o c [root@localhost Documents]#
./p ./c
enter the total number of elements:3
enter the elements which to be sort:5
sorted element by parent(quick sort):file open successfully.
file name:sort.txt
6
 enter value to find:6
 6 found at location2.
[root@localhost Documents]# clear
```