search Run Compile Debug P BINARYSE.C = #include(stdio.h> #include<comio.h> int n, val, a[20]; void search(int n, int val){ int first=0; int last=n-1; int middle=(first+last)/2; while(first<=last){ if (a[middle]==val){ printf("\nvalue found at position zd", middle); break: else if(a[middle]<val){ first=middle+1; else if(a[middle]>val){ last=middle-1; middle=(first+last)/2; if (first>last){ Alt-F9 F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg

```
File Edit Search Run Compile Deb
                                     BINARYS
middle=(first+last)/2;
if (first>last){
printf("\nvalue not found.");
}
void main(){
 int i:
clrscr();
 printf("\nenter size:");
 scanf ("zd",&n);
 printf("\nenter elements:");
 for(i=0;i<n;i++){
 scanf("xd",&a[i]);
 }
 printf("\nenter value to search:");
 scanf ("kd", &val);
 search(n, val):
  getch();
  <u>}</u>
     == 38:1 =
  F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg
```

enter size:5

enter elements:3

8942

enter value to search:9

value found at position 2