

```

8
9 #include<stdio.h>
10 #include<conio.h>
11 int s[10],x[10],d ;
12 void sumofsub(int ,int ,int);
13 void main(){
14     int n, sum=0;
15     int i;
16     printf("\nEnter the size of the set : ");
17     scanf("%d",&n);
18     printf("\nEnter the set in increasing order:\n");
19     for(i=1; i<=n; i++)
20         scanf("%d",&s[i]);
21     printf("\nEnter the value of d : \n");
22     scanf("%d",&d);
23     for(i=1; i<=n; i++)
24         sum=sum+s[i];
25     if(sum<d||s[1]>d)
26         printf("\nNo subset possible : ") ;
27     else
28         sumofsub(0, 1, sum);
29     getch();
30 }
31 void sumofsub(int m, int k, int r){
32     int i=1;
33     x[k]=1;
34     if((m+s[k])==d){
35         printf("Subset:");
36         for(i=1; i<=k; i++)

```

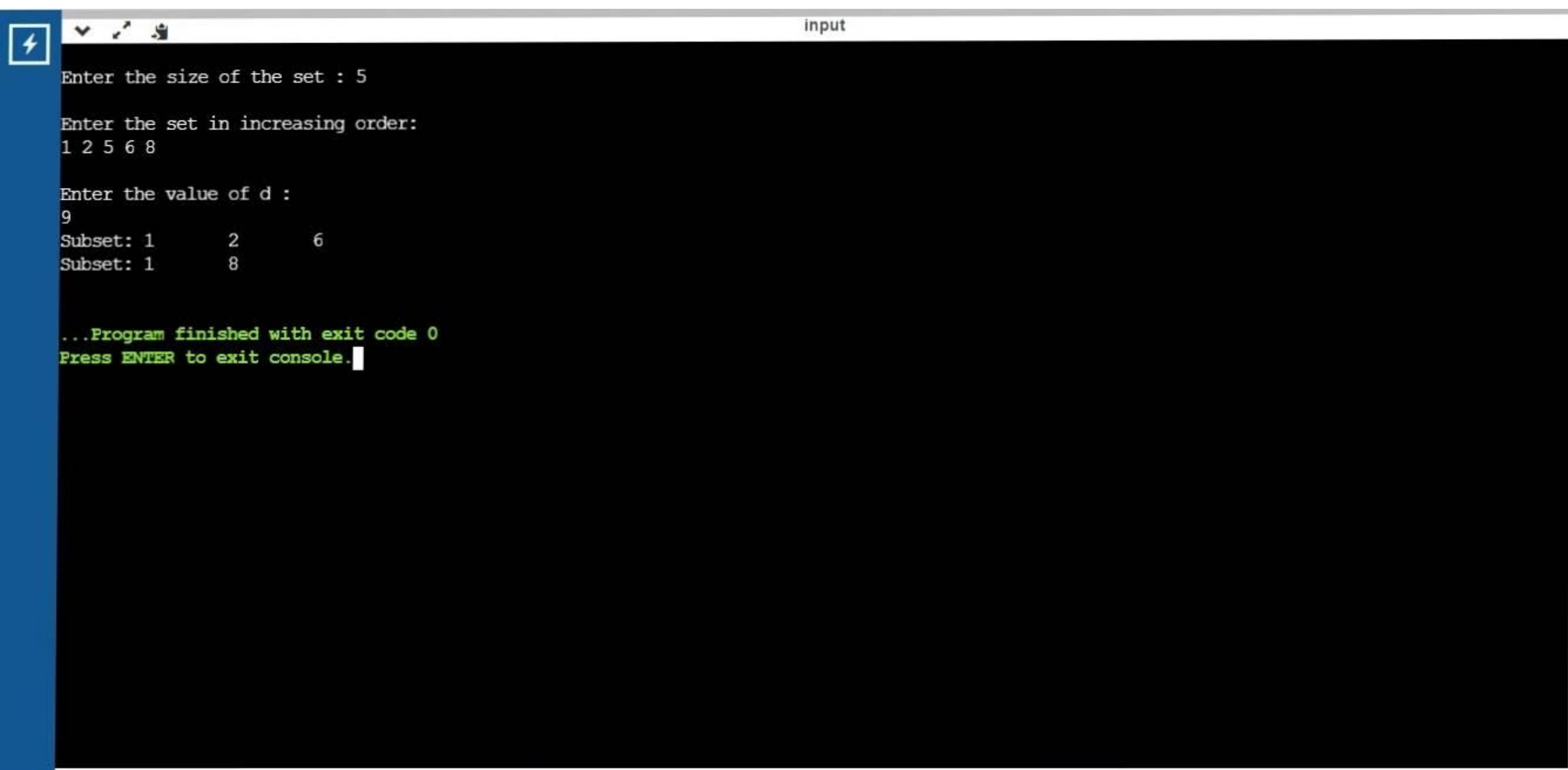
input

```

main.c
20 scanf("%d",&s[1]);
21 printf("\nEnter the value of d : \n");
22 scanf("%d",&d);
23 for(i=1; i<=n; i++)
24 sum=sum+s[i];
25 if(sum<d||s[1]>d)
26 printf("\nNo subset possible : ") ;
27 else
28 sumofsub(0, 1, sum);
29 getch();
30 }
31 void sumofsub(int m, int k, int r){
32     int i=1;
33     x[k]=1;
34     if((m+s[k])==d){
35         printf("Subset:");
36         for(i=1; i<=k; i++)
37             if(x[i]==1)
38                 printf("\t%d", s[i]);
39         printf("\n");
40     }
41     else
42         if(m+s[k]+s[k+1]<=d)
43             sumofsub(m+s[k], k+1, r-s[k]);
44     if((m+r-s[k]>=d)&&(m+s[k+1]<=d)){
45         x[k]=0;
46         sumofsub(m, k+1, r-s[k]);
47     }
48 }

```

input



A terminal window titled "input" with a blue sidebar on the left containing a lightning bolt icon. The terminal displays the following text:

```
Enter the size of the set : 5

Enter the set in increasing order:
1 2 5 6 8

Enter the value of d :
9
Subset: 1      2      6
Subset: 1      8

...Program finished with exit code 0
Press ENTER to exit console.
```