```c
/*********************************************************************

                        Online C Compiler.
            Code, Compile, Run and Debug C program online.
Write your code in this editor and press "Run" button to compile and e

*********************************************************************
#include<stdio.h>

int s[10] , x[10],d ;
void sumofsub ( int , int , int ) ;
void main ()
{
int n , sum = 0 ;
int i ;
printf ( " \n Enter the size of the set : " ) ;
scanf ( "%d" , &n ) ;
printf ( " \n Enter the set in increasing order:\n" ) ;
for ( i = 1 ; i <= n ; i++ )
scanf ("%d", &s[i] ) ;
printf ( " \n Enter the value of d : \n " ) ;
scanf ( "%d" , &d ) ;
for ( i = 1 ; i <= n ; i++ )
sum = sum + s[i] ;
if ( sum < d || s[1] > d )
printf ( " \n No subset possible " ) ;
else
sumofsub ( 0 , 1 , sum ) ;
}
void sumofsub ( int m , int k , int r )
{
int i=1 ;
x[k] = 1 ;
if ( ( m + s[k] ) == d )
{
printf("Subset:");
for ( i = 1 ; i <= k ; i++ )
if ( x[i] == 1 )
```

```c
{
int n , sum = 0 ;
int i ;
printf ( " \n Enter the size of the set : " ) ;
scanf ( "%d" , &n ) ;
printf ( " \n Enter the set in increasing order:\n" ) ;
for ( i = 1 ; i <= n ; i++ )
scanf ("%d", &s[i] ) ;
printf ( " \n Enter the value of d : \n " ) ;
scanf ( "%d" , &d ) ;
for ( i = 1 ; i <= n ; i++ )
sum = sum + s[i] ;
if ( sum < d || s[1] > d )
printf ( " \n No subset possible " ) ;
else
sumofsub ( 0 , 1 , sum ) ;
}
void sumofsub ( int m , int k , int r )
{
int i=1 ;
x[k] = 1 ;
if ( ( m + s[k] ) == d )
{
printf("Subset:");
for ( i = 1 ; i <= k ; i++ )
if ( x[i] == 1 )
printf ( "\t%d" , s[i] ) ;
printf ( "\n" ) ;
}
else
if ( m + s[k] + s[k+1] <= d )
sumofsub ( m + s[k] , k + 1 , r - s[k] ) ;
if ( ( m + r - s[k] >= d ) && ( m + s[k+1] <=d ) )
{
x[k] = 0;
sumofsub ( m , k + 1 , r - s[k] ) ;
}
}
```

```
Enter the size of the set : 4

Enter the set in increasing order:
4 5 6 9

Enter the value of d :
5
Subset: 5


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