```c
#include<stdio.h>

#include<stdlib.h>
void main()
{
int f[50], p,i, st, len, j, c, k, a;

for(i=0;i<50;i++)
f[i]=0;
printf("how many blocks already allocated: ");
scanf("%d",&p);
printf("blocks that already allocated: ");
for(i=0;i<p;i++)
{
scanf("%d",&a);
f[a]=1;
}
x: printf("Enter index starting block & length: ");
scanf("%d%d", &st,&len);
k=len;
if(f[st]==0)
{
for(j=st;j<(st+k);j++)
{
if(f[j]==0)
{
```

```
if(f[st]==0)
{
for(j=st;j<(st+k);j++)
{
if(f[j]==0)
{
f[j]=1;
printf("%d-------->%d\n",j,f[j]);
}
else
{
printf("%d Block is already allocated \n",j);
k++;
}
}
}
else
printf("%d starting block is already allocated \n",st);
printf("Do you want to enter more file(Yes - y/No - n)");
scanf("%d", &c);
if(c==1)
goto x;
else
exit(0);

}
```

```
29  if(f[st]==0)
30  {
31  for(j=st;j<(st+k);j++)
32  {
33  if(f[j]==0)
34  {
35  f[j]=1;
36  printf("%d-------->%d\n",j,f[j]);
37  }
```

input

```
how many blocks already allocated: 3
blocks that already allocated: 2

3
4
Enter index starting block & length: 3
2
3 starting block is already allocated
Do you want to enter more file(Yes - y/No - n)0


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