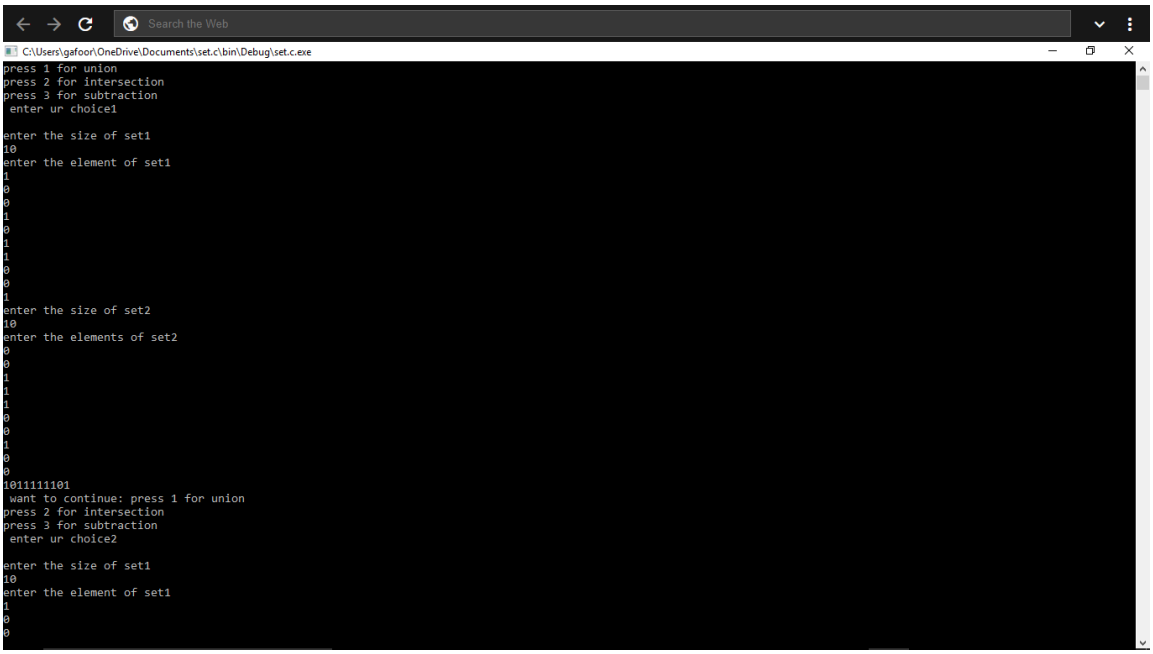
```
#include<stdio.h>
void main()
{


int i,ch,n1,n2,set1[10],set2[10],set4[20], set3[20];
char wish;

do
{
printf("press 1 for union");
printf("\npress 2 for intersection");
printf("\npress 3 for subtraction");
printf("\n enter ur choice");
scanf("%d",&ch);
switch(ch)
{
   case 1:
printf("\nenter the size of set1\n");
scanf("%d",&n1);
printf("enter the element of set1\n");
for(i=0;i<n1;i++)
scanf("%d",&set1[i]);
printf("enter the size of set2\n");
scanf("%d",&n2);
printf("enter the elements of set2\n");
for(i=0;i<n2;i++)
scanf("%d",&set2[i]);

if(n1==n2)
{
   for(i=0;i<n2;i++)
```

```
  {


          set3[i]=set1[i]||set2[i];
  }

          for(i=0;i<n2;i++)
          {
             printf("%d",set3[i]);
          }



}
else
{
printf("size are not equal");
}

break;
 case 2:
printf("\nenter the size of set1\n");
scanf("%d",&n1);
printf("enter the element of set1\n");
for(i=0;i<n1;i++)
scanf("%d",&set1[i]);
printf("enter the size of set2\n");
scanf("%d",&n2);
printf("enter the elements of set2\n");
for(i=0;i<n2;i++)
scanf("%d",&set2[i]);

if(n1==n2)
```

```
{
   for(i=0;i<n2;i++)
   {


          set3[i]=set1[i]&&set2[i];
   }

          for(i=0;i<n2;i++)
          {
             printf("%d",set3[i]);
          }



}
else
{
printf("size are not equal");
}
break;
 case 3:
printf("\nenter the size of set1\n");
scanf("%d",&n1);

printf("enter the element of set1\n");
for(i=0;i<n1;i++)
scanf("%d",&set1[i]);
printf("enter the size of set2\n");
scanf("%d",&n2);
printf("enter the elements of set2\n");
for(i=0;i<n2;i++)
scanf("%d",&set2[i]);
```

```
if(n1==n2)
{

 for(i=0;i<n2;i++)
 {


            set3[i]=set1[i]&&!set2[i];
   }

             for(i=0;i<n2;i++)
             {
                printf("%d",set3[i]);
             }



}
else
{
printf("size are not equal");
}

break;

default:
printf("invalid case input");

}
printf("\n want to continue: ");
scanf("%c",&wish);
}
```

```
while(wish!='n');

}
```


Search the Web
C:\Users\gafoor\OneDrive\Documents\set.c\bin\Debug\set.c.exe
press 1 for union
press 2 for intersection
press 3 for subtraction
 enter ur choice1
enter the size of set1
10
enter the element of set1
1
0
0
1
0
1
1
0
0
1
enter the size of set2
10
enter the elements of set2
0
0
1
1
1
0
0
1
0
0
1011111101
 want to continue: press 1 for union
press 2 for intersection
press 3 for subtraction
 enter ur choice2
enter the size of set1
10
enter the element of set1
1
0
0


enter the size of set1
10
enter the element of set1
1
0
0
1
0
1
1
0
0
1
enter the size of set2
10
enter the elements of set2
0
0
1
1
1
0
0
1
0
0
0001000000
 want to continue: press 1 for union
press 2 for intersection
press 3 for subtraction
 enter ur choice3
enter the size of set1
10
enter the element of set1
1
0
0
1
0
1
1

```
0001000000
 want to continue: press 1 for union
press 2 for intersection
press 3 for subtraction
 enter ur choice3

enter the size of set1
10
enter the element of set1
1
0
0
1
0
1
1
0
0
1
enter the size of set2
10
enter the elements of set2
0
0
1
1
1
0
0
1
0
0
1000011001
 want to continue: press 1 for union
press 2 for intersection
press 3 for subtraction
 enter ur choice
```