1.Create Array			
2.Union			
3.intersection			
4.Diffrence			
5.Exit			
Enter your Choice:1			
Enter the size of 1st			
Enter the size of 2nd	array:3		
Sizes are diffferent			
1.Create Array			
2.Union			
3.intersection			
4.Diffrence			
5.Exit			
Enter your Choice:1			
Enter the size of 1st			
Enter the size of 2nd			
Enter the elements into			
Enter the elements into	Second	d array:0	9191
1.Create Array			
2.Union			
3.intersection			
4.Diffrence			
5.Exit			
Enter your Choice:2			
Union= 1 1	0	1	
1.Create Array			
2.Union			
3.intersection			
4.Diffrence			
5.Exit			
Enter your Choice:3			
Intersection= 0	1	0	0
1.Create Array			
2.Union			
3.intersection			
4.Diffrence			
5.Exit			
Enter your Choice:4			
Difference= 1			

```
#include<stdio.h>
      #include<stdlib.h>
      int c[10];
      void setunion(int x[],int y[],int m)
    ₽ {
 6
          int i;
          printf("Union=\t");
          for (i=0; i<m; i++)</pre>
              printf("%d\t",x[i]|y[i]);
10
11
      void intersection(int x[],int y[],int m)
12
    ₽ {
13
          int i;
          printf("Intersection=\t");
15
          for (i=0;i<m;i++)</pre>
16
              printf("%d\t", x[i] & y[i]);
17
      void difference(int x[],int y[],int m)
19
    ₽ {
20
          int i;
21
          for (i=0; i<m; i++)</pre>
            c[i]=~y[i];
23
          printf("Difference=\t");
24
          for (i=0; i<m; i++)</pre>
25
              printf("%d\t",x[i]&c[i]);
26
27
      int main()
28
    ₽ {
29
          int a[10],b[10];
30
          int choice, m, i, n;
31
          do
32
              printf("\n1.Create Array\n2.Union\n3.intersection\n4.Diffrence\n5.Exit\nEnter your Choice:");
33
              scanf ("%d", &choice);
34
35
              switch(choice)
36
37
                   case 1:printf("Enter the size of 1st array:");
```

```
32
33
              printf("\n1.Create Array\n2.Union\n3.intersection\n4.Diffrence\n5.Exit\nEnter your Choice:");
34
              scanf("%d", &choice);
              switch (choice)
35
36
37
                  case 1:printf("Enter the size of 1st array:");
38
                  scanf("%d", &m);
39
                  printf("Enter the size of 2nd array:");
40
                  scanf("%d", &n);
41
                  if(m!=n)
                      printf("Sizes are diffferent");
42
43
                  else
44
45
                      printf("Enter the elements into first array:");
46
                      for (i=0; i<m; i++)</pre>
47
                           scanf("%d", &a[i]);
                      printf("Enter the elements into Second array:");
48
                       for (i=0; i<m; i++)</pre>
49
50
                           scanf("%d", &b[i]);
51
52
                  break;
53
                  case 2:setunion(a,b,m);
                  break;
54
                  case 3:intersection(a,b,m);
55
56
                  break;
                  case 4:difference(a,b,m);
57
58
                  break:
59
                  case 5: exit(0);
60
                  break;
                  default:printf("Error");
61
62
           }while (choice!=5);
63
64
          return 0;
65
66
```

31

do